



# Network Speaker

## Operating Instructions

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Getting Started

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Network Connections

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Listening to Audio Content  
Over Your Home Network

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Enjoying Sony  
Multiple-Room Products

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Using AirPlay

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Others

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Troubleshooting

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## WARNING

**To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.**

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc.

Do not place the naked flame sources such as lighted candles on the apparatus.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

The dating code and the nameplate are located on the bottom exterior.

## On the battery for the remote control

### CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Replace the battery with a Sony CR2025 lithium battery.

Use of another battery may present a risk of fire or explosion.

## For customers in the United States and Canada


### Owner's Record

The model and serial numbers are located on the bottom of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

## For customers in the United States

### Important Safety Instructions

- 1) Read these instructions.
  - 2) Keep these instructions.
  - 3) Heed all warnings.
  - 4) Follow all instructions.
  - 5) Do not use this apparatus near water.
  - 6) Clean only with dry cloth.
  - 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
  - 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  - 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 11) Only use attachments/accessories specified by the manufacturer.
  - 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.

- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

The following FCC statement applies only to the version of this model manufactured for sale in the U.S.A. Other versions may not comply with FCC technical regulations.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **CAUTION**

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with The limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

This equipment should be installed and operated with at least 20cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

## **RECYCLING LITHIUM-ION BATTERIES**



Lithium-Ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrc.org/>

**Caution:** Do not handle damaged or leaking Lithium-Ion batteries.

## **For the State of California, USA only**

Perchlorate Material - special handling may apply, See

[www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)  
Perchlorate Material: Lithium battery contains perchlorate.

## **For customers in Canada**

Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

This equipment complies with IC radiation exposure limits set forth for uncontrolled equipment and meets the RSS-102 of the IC radio frequency (RF) Exposure rules.

This equipment should be installed and operated with at least 20cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

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## Troubleshooting

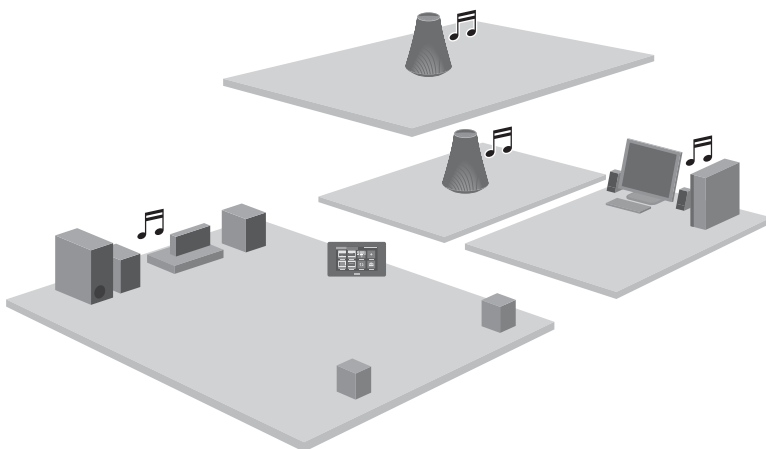
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# Features of this unit

You can enjoy music from anywhere in your home by connecting this DLNA (Digital Living Network Alliance)-compliant unit to a network. For example, you can play back audio content stored on the computer in the bedroom, using this unit in the living room (page 24).

## **PARTY STREAMING function**

PARTY STREAMING allows you to play back the same audio content with other devices having to the PARTY STREAMING function at the same time (page 30).



## **AirPlay function**

You can play audio from on iPhone, iPod touch or iPad, and a Mac or PC with iTunes. You can also control audio content from anywhere in your home (page 32).

## **360-degree omni-sound**

360-degree omni-sound enables you to enjoy high quality sound anywhere in the room.

## **Using this unit offline**

You can use this unit as a normal active speaker when you connect your portable audio player to the AUDIO IN terminal of this unit (page 11).

## **Using this unit all in wireless**

This unit has an internal battery. You can use this unit without connecting the AC power cord after charging it (page 14).

# Product Overview

## 1: Setting up your home network

Refer to the following pages according to your network environment.

### Wireless networks

➡ Set up your network using the supplied CD-ROM. Refer to the leaflet “Preparations for listening to music via your home network” for details. Refer to page 17 when you set up your network manually.

### WPS\* compliant wireless networks

➡ Page 19

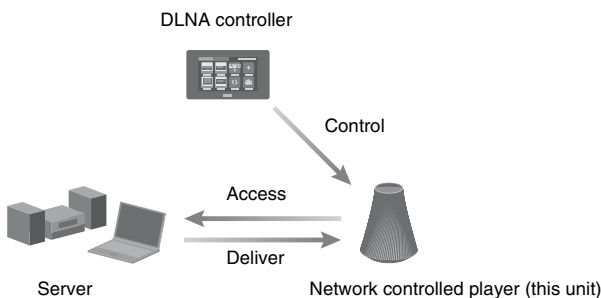
### Wired networks

➡ Page 21

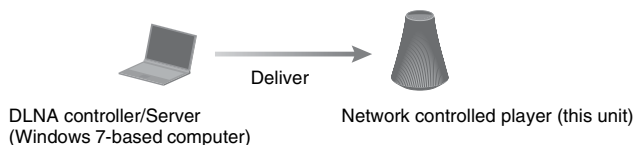
\* WPS is a standard for easy and secure establishment of a wireless home network. Many new wireless LAN router/access point come with this feature.

## 2: Listening to the music from a server

You need a DLNA-compliant digital media controller (not supplied) to find your favorite music content on your server (computer, etc.), and send them to play on this unit. For details, refer to page 24.



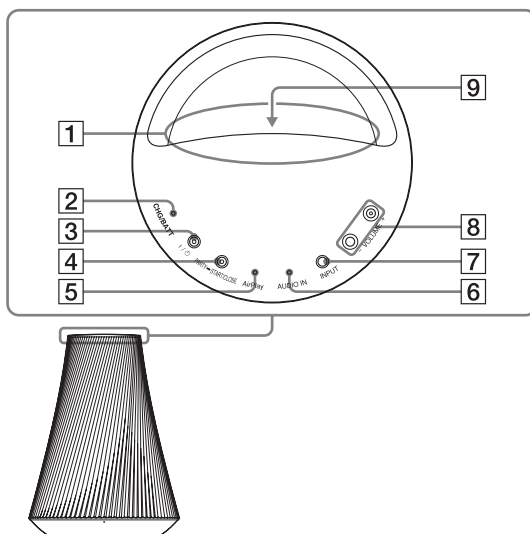
You can enjoy audio content using only this unit and a computer by using the computer as both server and controller. Windows 7 has to be installed on your computer to use this function. For details, refer to page 24.



# Guide to Parts and Controls

## Main unit

### Top



#### 1 Handle

Use this handle when you carry the unit.

#### 2 CHG/BATT indicator

Indicates the charging status of the unit (page 14).

Green: The unit is being discharged.

Amber: The unit is being discharged and the battery is low.

Red: The unit is being charged.

Not lit: The unit is full charged.

#### Tip

When the unit is fully charged, you can use it for playback for approximately 2 hours at the maximum volume level. You can use it for playback for approximately 5 hours at a volume level of 15 (of max 30).

#### 3 I/O (on/standby) button, indicator

Press to switch between power on and the standby mode currently selected (page 15).

Indicates the power status of the unit (page 15).

Green: The unit is turned on.

Amber: The unit is in the network standby mode.

Red: The unit is in the standby mode.

Not lit: The unit is turned off.

#### Note

You cannot operate this unit via a home network when the unit is in the standby mode or the OPERATE ON/OFF switch is set to OFF. Set the unit to the network standby mode when you



want to operate the unit via a home network. Refer to “To set the network standby mode” (page 15).

- This indicator normally lights up in white even if the unit stops playing when audio input is selected.

#### **4 PARTY – START/CLOSE button, PARTY STREAMING indicator**

Press to use the PARTY STREAMING function (page 30).

Indicates the PARTY STREAMING status (page 30).

Green: The unit is having a PARTY as PARTY host.

Amber: The unit has joined a PARTY as PARTY guest.

Red: An error has occurred.

#### **5 AirPlay indicator<sup>1)</sup>**

Lights up in green when the AirPlay function is in use (page 32).

#### **6 AUDIO IN indicator<sup>1)</sup>**

Lights up in green when the audio input is selected.

#### **7 INPUT button**

Press to switch between the following inputs in the order shown.

Home network/AirPlay/audio input

#### **8 VOLUME+<sup>2)</sup>/– buttons**

Use to adjust the volume. The illumination indicator flashes when the volume level is set to either minimum or maximum.

#### **9 Illumination indicator**

Indicates the playback status of audio content.

Blue (lit): The unit has stopped playing back audio content.

White (lit): The unit is in playback mode.

White (flashing): The unit is in preparation for playback.

An error has occurred in the playback or the bookmark operation if it is flashing quickly.

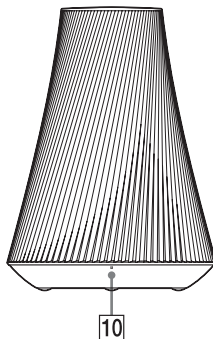
#### **Notes**

- This indicator flashes during start up. It may take for a while.

<sup>1)</sup>Home network is selected automatically when both the AUDIO IN indicator and AirPlay indicator are off (page 17).

<sup>2)</sup>The button has a tactile dot. Use it as a reference point for operations.

## Front

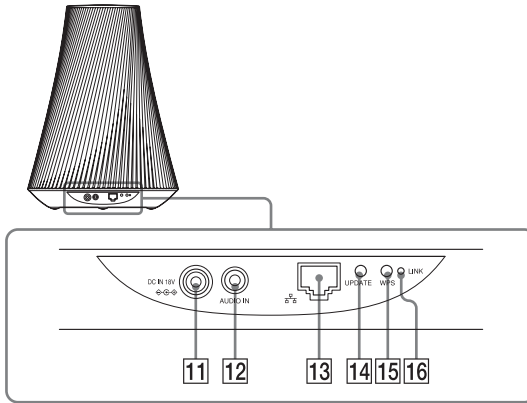


### **10 Remote sensor**

Receives signals from remote control.

Operate the remote control aiming at this point.

The remote signal reception angle of this unit is  $100^{\circ}$  from side to side, and it covers a range of over  $200^{\circ}$  from the remote sensor.



## 11 DC IN terminal

Use to connect the supplied AC adaptor (page 14).

## 12 AUDIO IN terminal

Use to connect the audio output jack of an external component.

## 13 (LAN) port

Use to connect the network (LAN) cable.

## 14 UPDATE button, indicator

Press to start updating the software of the unit (page 34).

Indicates the update status of the unit.

Green (lit): The unit can be updated.

Green (flashing): The unit is updating.

Not lit: The unit does not need updating.

## 15 WPS button

Use to make the network settings for the WPS push button configuration (page 19).

## 16 LINK indicator

Indicates the connection status of the wired/wireless LAN.

Green: Wireless connection (page 17).

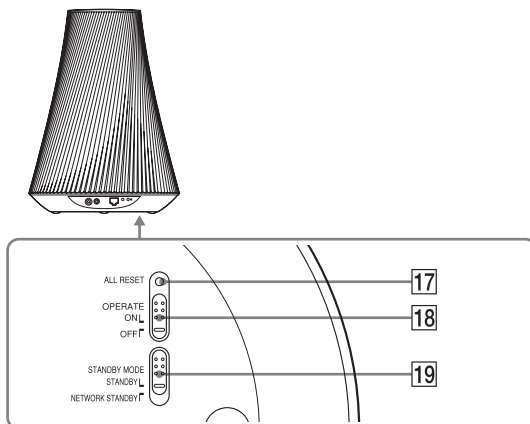
Amber: Wired connection (page 21).

Red: The following status have occurred.

- This unit cannot find the wireless LAN access point.
- The security method/password selected for the access point is wrong.
- An error has occurred.

Not lit: The wireless network setting process is not finished.

## Bottom



### **17 ALL RESET pinhole button**

Press and hold for more than three seconds to reset the unit to its factory default settings when the OPERATE ON/OFF switch is set to ON.

Use a thin object, such as a small pin.

The bookmark list (page 28) and any other previously registered settings or information will be reset.

#### **Note**

Network settings are also reset when you press ALL RESET button.

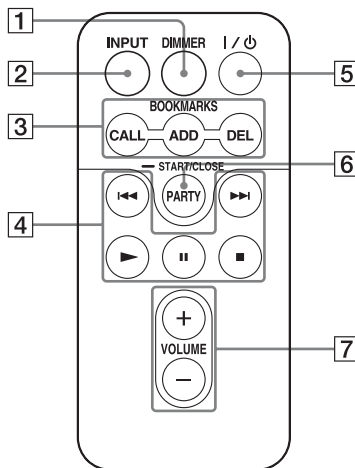
### **18 OPERATE ON/OFF switch**

Switch to ON to use or charge the unit.

Switch to OFF when you will not use the unit for a long time (page 15).

### **19 STANDBY MODE switch**

Switch between the standby mode and the network standby mode (page 15).



## 1 DIMMER button

Press to change the brightness of the illumination indicator (normal/dark).

## 2 INPUT button

Press to switch between the following inputs in the order shown.  
Home network/AirPlay/audio input

## 3 BOOKMARKS buttons

Use for the bookmark function (page 28).

### CALL button

Press to play back the audio content in the bookmark list.

### ADD button

Press to add audio content to the bookmark list.

### DEL button

Press to delete audio content from the bookmark list.

## 4 Operation buttons

▶▶ button\*: Skip to the next audio content item.

◀◀ button\*: Back to the previous audio content item.

▶/||\*/■ button: Start/pause/stop playback.

\* These buttons may not work depending on the device or the function you are using.

## 5 I/⏻ (on/standby) button

Press to switch between power on and the standby mode currently selected (page 15).

## 6 PARTY button

Press to use the PARTY STREAMING function (page 30).

## 7 VOLUME buttons

Press to adjust the volume.

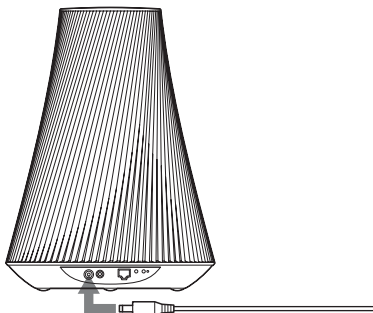
## Checking the Supplied Accessories

Remote control (1)  
AC adaptor (1)  
AC power cord (1)  
Network (LAN) cable (1)  
CD-ROM (“Network Speaker Wi-Fi Utility”)  
(1)  
Operating Instructions (this manual)  
Preparations for listening to music via your  
home network (Leaflet)

## Preparing the Unit and the Remote Control

### Connecting to an AC power source

- 1** Connect the AC power cord to the AC adaptor.
- 2** Plug the connector of the AC adaptor into the DC IN terminal on the unit.



- 3** Plug the AC power cord to a wall outlet (the mains).

### To use this unit all in wireless

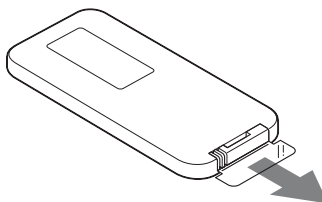
The unit is charged automatically when you connect the unit to an AC power source. You can use the unit without connecting the AC power cord. Charging time depends on what mode the unit is in. Refer to “Charging time:” (page 37).

### Notes

- Depending on the unit temperature, you may be unable to use the unit or the power may turn off automatically to protect the unit. If temperature is too high, leave the power off and wait until the unit temperature goes down. If you turn on the power without letting the unit cool sufficiently, the power may turn off again or you may be unable to operate the unit.
- If you charge the unit after it has not been used for a long time, you may be unable to charge it to the proper capacity the first time. This is due to the battery characteristics, and is not a malfunction. Charge the unit again.

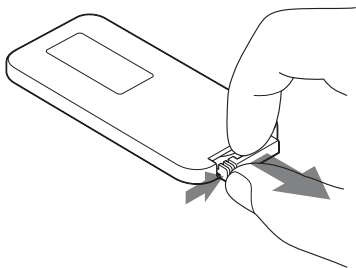
### Preparing the remote control

The supplied lithium battery (CR2025) has already been inserted into the remote control. Pull out the protective sheet before use.



## Replacing the battery of the remote control

If the remote control stops working, replace the battery (CR2025) with a new one.

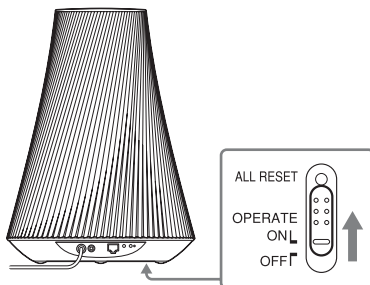


- 1 Pull out the battery holder.
- 2 Remove the old battery from the battery holder and then insert a new battery.
- 3 Reinsert the battery holder into the remote control.

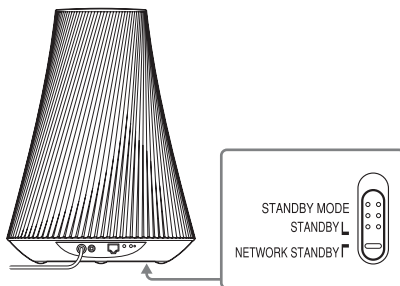
## Turning the Unit On or Off

### Set the OPERATE ON/OFF switch to ON

The I/⏻ (on/standby) indicator flashes in green and the illumination indicator lights up. You can operate this unit when the I/⏻ (on/standby) indicator lights up in green and the illumination indicator lights up. It may take a while.



### To set the network standby mode



- 1 Set the STANDBY MODE switch to NETWORK STANDBY.
- 2 Press the I/⏻ (on/standby) button.  
The I/⏻ (on/standby) indicator lights up in amber.

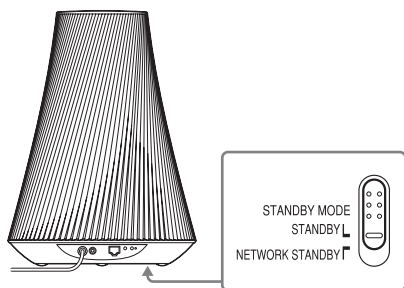
## Notes

- Keep this unit in the network standby mode so it can be controlled from a controller even when you are not currently operating this unit.
- The unit enters the selected standby mode when it is idle for 30 minutes. If the unit is being discharged and it is idle for another 30 minutes in the network standby mode, the unit enters another standby mode that saves the battery life.

## Tips

- The STANDBY MODE switch is set to STANDBY in the factory default settings.
- The unit can be controlled from the controller on your network, etc., when the unit is in the network standby mode. The unit turns on automatically when the controller delivers audio content to this unit.

## To set the standby mode



- 1 Set the STANDBY MODE switch to STANDBY.
- 2 Press the I/⏻ (on/standby) button.  
The I/⏻ (on/standby) indicator lights up in red.

## Note

You cannot operate this unit via a home network when the unit is in the standby mode. Set the unit to the network standby mode when you want to operate the unit via a home network.

## To resume power from the network standby mode or the standby mode

Press I/⏻ (on/standby) on the remote control. You can also use the I/⏻ (on/standby) button on the unit.

The I/⏻ (on/standby) indicator lights up in green and the illumination indicator lights up.

## To turn the unit off

Set the OPERATE ON/OFF switch to OFF when you need to turn the unit off, such as when you do not use for a long time.

When the unit is not connected to the AC adaptor, set the OPERATE ON/OFF switch to OFF in order to avoid discharging the battery.



## How to Connect Your Network

Set up the network after checking your network environment. Refer to the following descriptions.

### Wireless Network:

Set up your network using the supplied CD-ROM. Refer to the leaflet “Preparations for listening to music via your home network” for details.

Refer to option 1 when you set up your network manually.

- Option 1: Manual wireless setup

### WPS Compliant Wireless Network:

- Option 2: WPS push button configuration method (page 19)
- Option 3: PIN method (page 20)

### Wired network:

- Option 4: DHCP method (page 21)
- Option 5: Fixed IP method (page 21)

### Tip

You can set up a wireless network using a fixed IP address. Refer to the instructions for a wired network (page 21).

### When a problem occurs while you are making the network settings

Press ALL RESET button on the bottom of the unit with a pointed object (such as a small pin) (page 12).

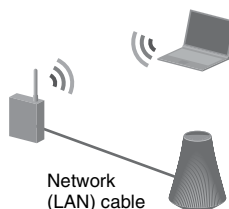
## Setting Up Wireless Networks

### Option 1: Manual wireless setup

Your computer must be connected to the wireless LAN router/access point in advance. Write down important information such as the SSID and security method, etc. of your wireless LAN router/access point. Refer to the operating instructions of the router.

SSID	
Security method	
Security key (WEP/WPA key, etc.)	

- 1 Check whether your computer and wireless LAN router/access point are turned on.
- 2 Connect the unit and the wireless LAN router/access point using a network (LAN) cable.

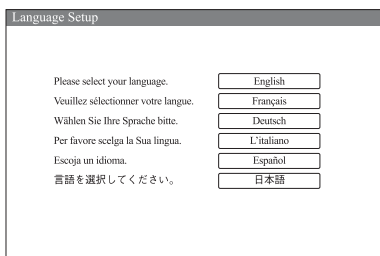


- 3 Turn the unit on.
- 4 Click [My Network] or [Network] → [SA-NS500].  
The [Sony Network Device Setting] screen appears.

## Notes

- Install the UPnP service in advance if you are using Windows XP (page 35).
- Refer to “Setting Screen on the Browser” (page 34) for details on the display of [My Network] or [Network].
- Check your set-up of the firewall of the security software if you cannot find [SA-NS500] or the browser does not open even if you double-click [SA-NS500] on screen of your computer.
- Restart your computer if you cannot find [SA-NS500].

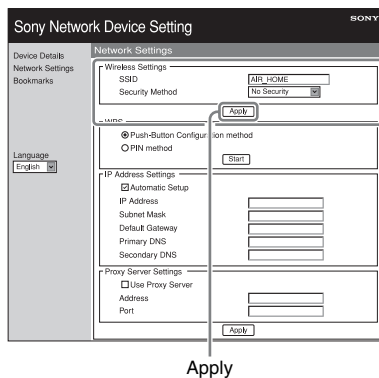
## 5 Select the desired language when the “Language Setup” screen appears.



## 6 Select [Network Settings] from the menu.

## 7 Enter the SSID of your access point, then select the security method.

Enter the SSID and Security Method.  
Refer to the memo that you wrote for this information (page 17).  
Enter Security key (WEP/WPA key, etc.) if you selected anything other than [No Security] as a security method.



### Note

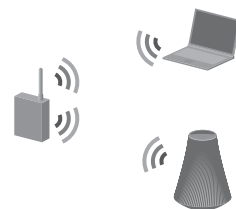
You cannot input the following characters.  
: / ? # [ ] @ ! \$ & ' ( ) \* + , ; = " %

## 8 Click [Apply].

## 9 Click [OK] when the confirmation screen of the pop-up window appears.

## 10 Disconnect the unit and the wireless LAN router/access point following the on-screen instructions.

The unit restarts automatically, then the LINK indicator lights up in green when the connection is made.



### Tip

Refer to the operating instructions for details on the access point.

## About wireless LAN security

Since communication via the wireless LAN function is established by radio waves, the wireless signal may be susceptible to interception. To protect wireless communication, this system supports various security functions. Be sure to correctly configure the security settings in accordance with your network environment.

### No Security

Although you can easily make settings, anyone can intercept wireless communication or intrude into your wireless network, even without any sophisticated tools. Keep in mind that there is a risk of unauthorized access or interception of data.

### WEP

WEP applies security to communications to prevent outsiders from intercepting communications or intruding into your wireless network. WEP is a legacy security technology that enables older devices, which do not support TKIP/AES, to be connected.

### WPA-PSK (TKIP), WPA2-PSK (TKIP)

TKIP is a security technology developed to correct for the deficiencies of WEP. TKIP assures a higher security level than WEP.

### WPA-PSK (AES), WPA2-PSK (AES)

AES is a security technology that uses an advanced security method that is distinct from WEP and TKIP. AES assures a higher security level than WEP or TKIP.

## Setting Up Wireless Networks Using an Access Point Compliant with WPS

### Option 2: WPS push button configuration method

#### 1 Check whether the network (LAN) cable is disconnected.

Disconnect the network (LAN) cable after setting the OPERATE ON/OFF to OFF if the network (LAN) cable is connected.

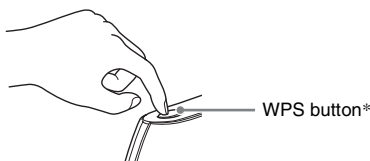
#### 2 Turn the unit on.

You can operate this unit when the I/⏻ (on/standby) indicator lights up in green and the illumination indicator lights up. It may take a while.

#### Note

Make sure the home network input is selected.

#### 3 Press the WPS button on the access point.



\* The position and the shape of the WPS button are different depending on the model of the access point.

#### Tip

Refer to the operating instructions of your wireless LAN router/access point for details on the WPS button.

## 4 Press the WPS button on the unit for three seconds.

The LINK indicator lights up in green when the connection is made.

### Option 3: PIN method

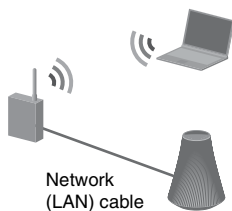
Your computer must be connected to the wireless LAN router/access point in advance. Write down the SSID of your wireless LAN router/access point.

SSID	
------	--

Refer to the operating instructions of the access point.

## 1 Check whether your computer and wireless LAN router/access point are turned on.

## 2 Connect the unit and the wireless LAN router/access point using a network (LAN) cable.



## 3 Turn the unit on.

## 4 Click [My Network] or [Network] → [SA-NS500].

The [Sony Network Device Setting] screen appears.

### Notes

- Install the UPnP service in advance if you are using Windows XP (page 35).
- Refer to “Setting Screen on the Browser” (page 34) for details on the display of [My Network] or [Network].
- Check your set-up of the firewall of the security software if you cannot find

[SA-NS500] or the browser does not open even if you double-click [SA-NS500] on screen of your computer.

- Restart your computer if you cannot find [SA-NS500].

## 5 Select the desired language when the “Language Setup” screen appears.

Language Setup

Please select your language.

Veuillez sélectionner votre langue.

Wählen Sie Ihre Sprache bitte.

Per favore scegli la Sua lingua.

Escoja un idioma.

言語を選択してください。

English

Français

Deutsch

L'italiano

Español

日本語

## 6 Select [Network Settings] from the menu.

## 7 Enter the SSID of your access point.

Enter the SSID. Refer to the memo that you wrote for this information.

Sony Network Device Setting

Device Details

Network Settings

Bookmarks

Language

English

Network Settings

SSID

APLHOME

SECURITY METHOD

WPA

Push-Button Configuration method

PIN method

Start

IP Address Settings

Automatic Setup

IP Address

Subnet Mask

Default Gateway

Primary DNS

Secondary DNS

Proxy Server Settings

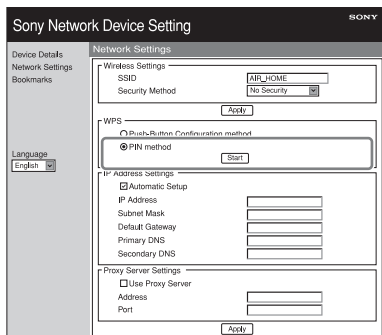
Use Proxy Server

Address

Port

Apply

## 8 Select [PIN method], then click [Start].



An eight-digit number (PIN code) appears on the screen.

## 9 Enter the unit's PIN code in the wireless LAN router/access point.

### Tip

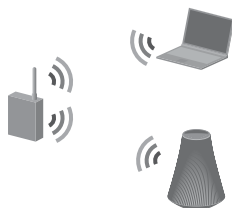
Refer to the operating instructions for details on the wireless LAN router/access point.

## 10 Click [OK] on the PIN code screen that is displayed in step 8.

Disconnect the network (LAN) cable, etc., following the on-screen instructions. The unit restarts automatically, then the LINK indicator lights up in green when the connection is made.

### Note

Perform the process again from step 1 when the LINK indicator flashes in red.



### Tip

You can also select the WPS push button configuration method in step 8.

# Setting Up Wired Networks

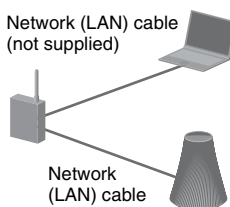
## Option 4: DHCP method

Usually, the DHCP setting is set to ON when you connect your computer to the network.

Try the following method if you are using a wired network.

Set the DHCP setting of your computer to ON in advance.

- 1 Check whether your computer and router are turned on.
- 2 Connect the unit and the router using a network (LAN) cable.
- 3 Connect the router and your computer using a second network (LAN) cable.



## 4 Turn the unit on.

The LINK indicator lights up in amber when the connection is made.

## Option 5: Fixed IP method

Your computer must be connected to the router in advance.

- 1 Set the DHCP setting of your computer and the router to ON.
- 2 Connect the router and the unit using a network (LAN) cable.

- 3 Check whether your computer and router are turned on.
- 4 Turn the unit on.
- 5 Click [My Network] or [Network] → [SA-NS500].

The [Sony Network Device Setting] screen appears.

### Notes

- Install the UPnP service in advance if you are using Windows XP (page 35).
- Check your set-up of the firewall of the security software if you cannot find [SA-NS500] or the browser does not open even if you double-click [SA-NS500] on screen of your computer.
- Restart your computer if you cannot find [SA-NS500].

- 6 Select the desired language when the “Language Setup” screen appears.

Language Setup

Please select your language.

Veuillez sélectionner votre langue.

Wählen Sie Ihre Sprache bitte.

Per favore scegli la Sua lingua.

Escoja un idioma.

言語を選択してください。

English

Français

Deutsch

L'italiano

Español

日本語

- 7 Select [Network Settings] from the menu.

- 8 Remove the checkmark in the check box beside [Automatic Setup], then input the required information for each item.

Sony Network Device Setting

Device Details

Network Settings

Wireless Settings

SSID: [DHCP HOME]

Security Method: [No Security]

Apply

WPS

Push-Button Configuration method

PIN method

Start

IP Address Settings

Automatic Setup

IP Address: [ ]

Subnet Mask: [ ]

Default Gateway: [ ]

Primary DNS: [ ]

Secondary DNS: [ ]

Use Proxy Server

Address: [ ]

Port: [ ]

Apply

- IP Address (IP address of the unit)
- Subnet Mask
- Default Gateway
- Primary DNS (IP address of the primary DNS)
- Secondary DNS (IP address of the Secondary DNS)

- 9 Click [Apply].

- 10 Click [OK] when the confirmation screen of the pop-up window appears.

The unit restarts automatically, then the LINK indicator lights up in amber when the connection is made.

### Note

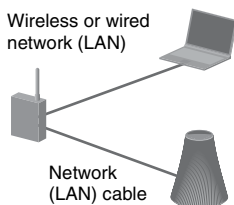
Set the DHCP setting of your computer and router to OFF again.

# Setting up a proxy server

If you need to use a proxy server (for example, when you are instructed to use a proxy server by your Internet service provider), be sure to prepare the proxy address and the port number in advance.

**1 Check whether your computer and router/access point are turned on.**

**2 Connect the unit and router/access point using a network (LAN) cable.**



**3 Turn the unit on.**

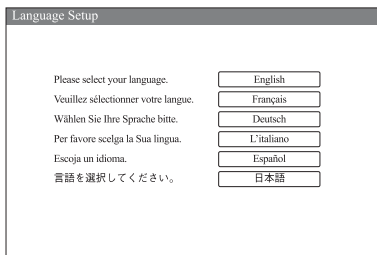
**4 Click [My Network] or [Network] → [SA-NS500].**

The [Sony Network Device Setting] screen appears.

## Notes

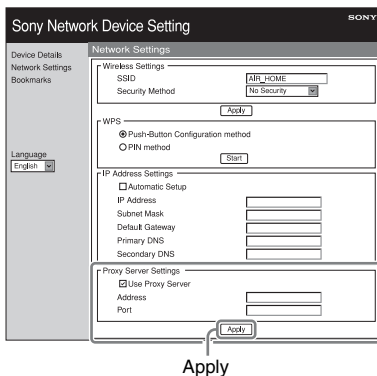
- Install the UPnP service in advance if you are using Windows XP (page 35).
- Refer to “Setting Screen on the Browser” (page 34) for details on the display of [My Network] or [Network].
- Check your set-up of the firewall of the security software if you cannot find [SA-NS500] or the browser does not open even if you double-click [SA-NS500] on screen of your computer.
- Restart your computer if you cannot find [SA-NS500].

**5 Select the desired language when the “Language Setup” screen appears.**



**6 Select [Network Settings] from the menu.**

**7 Add a check mark to “Use Proxy Server” and enter the proxy address and port number.**



**8 Click [Apply].**

**9 Click [OK] when the confirmation screen of the pop-up window appears.**

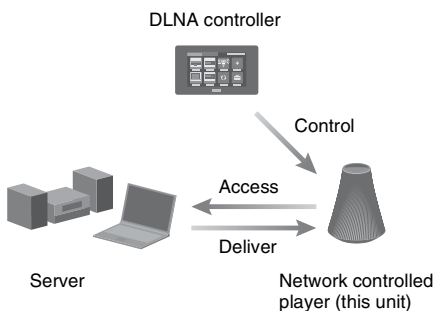
The unit restarts automatically, then the LINK indicator lights up in amber when the connection is made.

## Listening to Audio Content Over Your Home Network

### Using DLNA (Digital Living Network Alliance)

You can play back audio content on DLNA-compliant servers such as your computer, or network audio, etc., on this unit. A DLNA-compliant controller device (a remote control device, etc.) is needed for the operation.

You can use Windows 7 as both server and controller.



The unit can play audio content stored on the server in MP3, Linear PCM, WMA and AAC\* formats. Audio content with DRM (Digital Rights Management) copyright protection cannot be played on this unit.

\* The unit can play AAC files with the extension of “.m4a,” “.mp4,” or “.3gp” only.

#### Notes

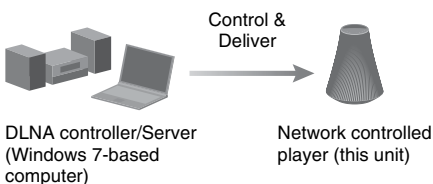
- Generally, it may take a while to recognize each DLNA-compliant device currently used when you enjoy audio content via a home network.
- This unit cannot playback files in WMA format with DRM copyright protection. If a WMA file cannot be played back on this unit, check the property of that file on your computer, and see whether the file is DRM-copyrighted. Open a folder or a volume where the WMA file is stored, and right-click the file to display the [Property] window. When there is the [Licence]

tab, the file is DRM-copyrighted and cannot be played back on this unit.

- You may not be able to play back some content with DLNA CERTIFIED products.

### Listening to audio content on a computer with Windows 7

Windows 7 supports DLNA1.5. Windows 7 can be used as both server and controller. You can listen to audio content on the server easily using the [Play To] function of Windows 7.



#### Note

The items displayed on the computer may be different from the ones shown in this section, depending on the version of the operating system or the computer environment. For details, refer to the help of your operating system.

### Setting up a computer with Windows 7

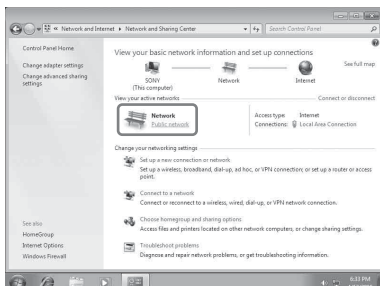
- 1 Go to [Start] - [Control Panel] and select [View network status and tasks] under [Network and Internet]. The [Network and Sharing Center] window appears.

#### Tip

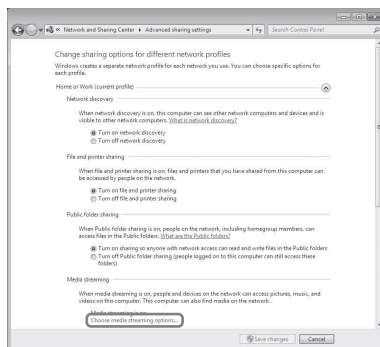
If the desired item does not appear in the display, try to change the display type of the Control Panel.



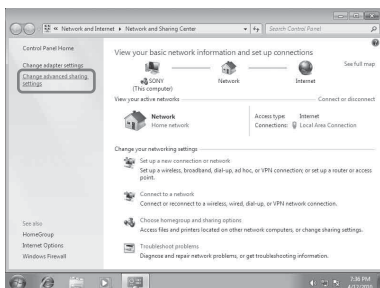
- 2** Select [Public network] under [View your active networks]. If the display shows other than [Public network], go to step 5.



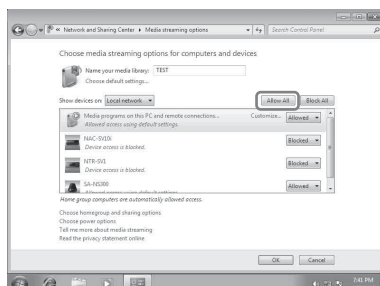
- 6** Select [Choose media streaming options...] from [Media streaming].



- The [Set Network Location] window appears.
- 3** Select [Home network] or [Work network] according to the environment in which the speaker is used.
- 4** Follow the instructions that appear on the display according to the environment in which the speaker is used.
- When the change is completed, confirm that the item under [View your active networks] has been changed to [Home network] or [Work network] in the [Network and Sharing Center] window.
- 5** Select [Change advanced sharing settings].



- 7** If [Media streaming is not turned on] appears in the Media streaming options window, select [Turn on media streaming].
- 8** Select [Allow All].

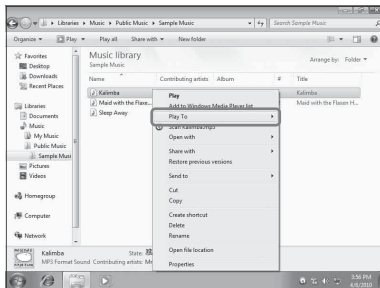


- The [Allow all media devices] window opens. If all the devices in the local network are [Allowed] to access your network, select [OK] and close the window.
- 9** Select [Allow all computers and media devices].
- 10** Select [OK] to close the window.

## Listening to audio content stored on a computer with Windows 7

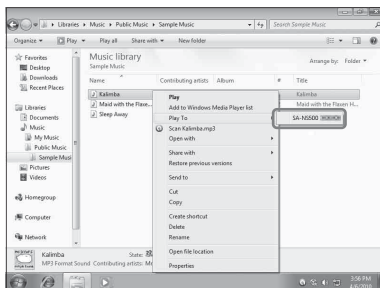
- 1** Start [Windows Media Player] of Windows 7.
- 2** Turn on media streaming.
- 3** Select the desired audio content, then click the right mouse button.

#### 4 Select [Play To] from the menu.



The device list appears.

#### 5 Select [SA-NS500].



The audio content is played back from this speaker.

## Listening to audio content on a computer with Windows Vista/ Windows XP

You need to set up Windows Media Player 11 to listen to the music using the Windows Vista/ Windows XP\* as a server.

\* Windows Media Player 11 is not manufacturer-installed on Windows XP. Access the Microsoft web site, download the installer, and then install Windows Media Player 11 on your computer. Update the software version of your computer to XP Service Pack 2 or later, then install Windows Media Player 11. You cannot install Windows Media Player 11 on versions of XP prior to Service Pack 2.

### Note

The items displayed on the computer may be different from the ones shown in this section,

depending on the version of the operating system or the computer environment. For details, refer to the help of your operating system.


## Setting up a computer with Windows Vista/ Windows XP

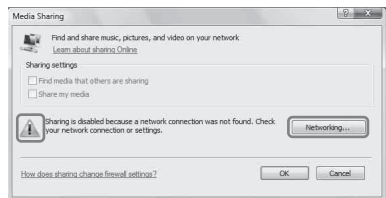
1 Go to [Start] - [All Programs] and select [Windows Media Player].

Windows Media Player 11 starts up.

2 Select [Media Sharing...] from the [Library] menu.

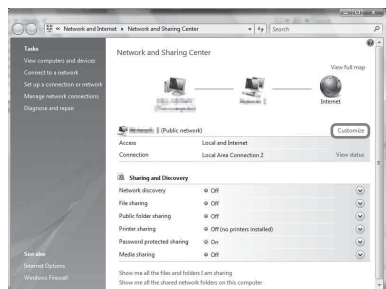
If you are using Windows XP, go to step 8.

3 When  is displayed, select [Networking...].



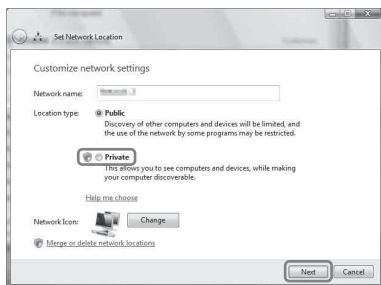
The [Network and Sharing Center] window appears.

4 Select [Customize].



The [Set Network Location] window appears.

- 5 Add a check next to [Private] and select [Next].

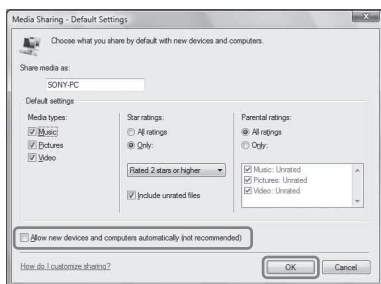


- 6 Confirm that the [Location type] has been changed to [Private] and select [Close].
- 7 Confirm that [(Private network)] is displayed in the [Network and Sharing Center] window and close the window.
- 8 If a check is not added next to [Share my media] in the [Media Sharing] window that is displayed in step 2, add a check next to [Share my media], then select [OK].



A list of connectable devices is displayed.

- 9 Select [Settings...] that appears beside [Share my media to:].
- 10 Add a check next to [Allow new devices and computers automatically] and select [OK].



## Note

Uncheck this item after you confirm that the unit can connect to the computer and play audio data on the computer.

## Listening to audio content stored on a computer with Windows Vista/ Windows XP

There are two methods to listen to audio content on a computer with the Windows Vista/ Windows XP.

- Using the DLNA controller (page 24)
- Random playback

## Listening to audio content on a server

The operation is different depending on the device. Refer to the operating instructions of your server or controller.

# Playing Back Audio Content on a Server at Random

You can play back audio content on the server which is recognized first. You can use this function without a controller.

## Notes

- This function is available only with computers that have Windows Media Player 11/12 or VAIO Media plus 1.3 (or later) installed.
- Close any DLNA controller functions or devices, such as the [Play To] dialogue of Windows Media Player 12, when you want to play back audio content from a server at random.

## 1 Press INPUT on the remote control to select home network input.

You can also use the INPUT button on the unit.

## 2 Press ► on the remote control.

Audio content is played back only at random on the server which is recognized first.

# Using the Bookmark Function

This function allows you to play back only audio content that is bookmarked. You need to register audio content while it is being played back on this unit in the bookmark list.

You can register audio content which is being played back via the network on the server in your bookmark list.

## Registering a bookmark list

### 1 Select the home network input.

### 2 Press BOOKMARKS ADD on the remote control when you play back the desired audio content.

The illumination indicator flashes.

## Deleting from the bookmark list

Press BOOKMARKS DEL on the remote control when you are playing back or have paused the audio content you want to delete.

The illumination indicator flashes.

## Tip

You can delete audio content currently being played back while using the bookmark list.

## Notes

- You can register up to 30 audio content items in the bookmark list.
- You cannot register the same audio content two or more times in a row.

## Playing back audio content in the bookmark list

**1** Select the home network input.

**2** Press **BOOKMARKS CALL** on the remote control.

The illumination indicator lights up in white.

### Notes

- You cannot play back audio content using the Bookmark function when the bookmark list is empty.
- Close any DLNA controller functions or devices, such as the [Play To] dialogue of Windows Media Player 12, when you want to play back audio content using a bookmark list.

## To manage the bookmark list

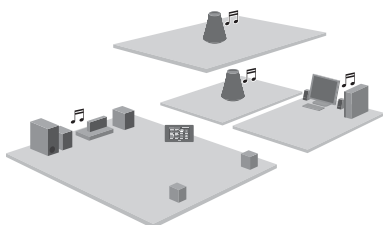
The operation must be carried out using the browser. Refer to “Bookmarks screen” (page 35).

## Enjoying Sony Multiple-Room Products

# Using the PARTY STREAMING Function

You can play back audio content that is being played back on this unit or on another device that has a PARTY STREAMING function at the same time, via your home network.

While using the PARTY STREAMING function, the device that starts a PARTY and streams the audio content is called the “PARTY host,” and the device that joins a PARTY and plays the audio content streamed from the PARTY host is called a “PARTY guest.”



You can enjoy the PARTY STREAMING function with other devices that have this PARTY STREAMING logo.

## PARTY STREAMING in a wireless LAN environment

With some IEEE802.11n-compatible wireless LAN routers/access points, the wireless LAN transfer speed may slow down when “WEP” or “WPA/WPA2-PSK (TKIP)” is selected for the security method.

If the sound skips during streaming playback using the PARTY STREAMING function, try changing the security method to “WPA/

WPA2-PSK (AES).” This may improve the transfer speed and the streaming playback. Configurations of encryption (security) vary depending on the model; please refer to the operating instructions supplied with your router/access point.

You can also obtain support information about wireless LAN settings on the following website.

<http://www.sony.net/audio/netsettings>

## Starting a PARTY

You can start a PARTY so that other devices which support the PARTY STREAMING function can play the same music even though they are in different rooms.

- 1 Make sure the PARTY guest devices are turned on and are in a status which allows them to join a PARTY.**
- 2 Play back audio content using the AUDIO IN terminal or audio content stored on the server on your network on this unit.**
- 3 Press and hold PARTY for a few seconds.**

The unit starts PARTY STREAMING and the PARTY STREAMING indicator lights up in green.

You can also use the PARTY = START/CLOSE button on the unit.

## To close a PARTY

Press and hold PARTY for a few seconds. The PARTY STREAMING indicator goes off.

### Notes

- An error has occurred when the PARTY STREAMING indicator lights up in red. Perform the process from step 1 again.
- You cannot start a PARTY while you are currently participating in a PARTY.
- The ◀▶ and ▶▶ buttons may not work, depending on the server or audio content.

- If the PARTY button is pressed on another device that complies with the PARTY STREAMING function while the unit is playing a track, the unit will start a PARTY as a PARTY host and the other device will join a PARTY as a PARTY guest.

## Joining a PARTY

The unit can join a PARTY which has been started by another device so that you can enjoy the same audio content as that being played in a different room.

### When another device (PARTY host) is having a PARTY, press PARTY.

The unit joins the PARTY as a PARTY guest and the PARTY STREAMING indicator lights up in amber.

You can also use the PARTY = START/ CLOSE button on the unit.

## To leave a PARTY

Press PARTY.

The PARTY STREAMING indicator goes off.

## Notes

- An error has occurred when the PARTY STREAMING indicator lights up in red. Perform the process from step 1 again.
- The PARTY STREAMING indicator lights up in amber when other devices utilizing the PARTY STREAMING function invite this unit to a PARTY. When you want to leave that PARTY, press PARTY.
- You cannot join a PARTY in the following cases:
  - you have a PARTY on this unit
  - you have already joined in another PARTY
- If you press PARTY when no PARTY is being held, but a device that complies with the PARTY STREAMING function is playing, the device will be the PARTY host and the unit will join the PARTY as a PARTY guest.

## To use the PARTY STREAMING function with a DLNA controller

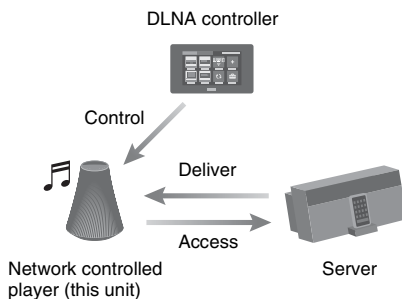
You can use a DLNA controller that supports the PARTY STREAMING function to use the unit to start a PARTY that is being held by other devices.

## Connecting the Unit with DLNA-compliant Devices

### Enjoying audio content on a server using a controller

You can use DLNA Controller to control a server to stream audio content to this unit. To perform these operations, check the following first.

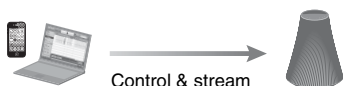
- Check that all devices are connected to your home network and set up correctly.
- Check that the unit and the server are turned on or the unit and the server are in the network standby - on mode.
- Check that the unit and the controller are allowed to access the server.
- Check that the unit and the server have been recognized and registered with the controller.



## Using AirPlay

# Using the AirPlay function

You can play audio from on iPhone, iPod touch or iPad, and a Mac or PC with iTunes.



## Compatible iPod/iPhone/iPad models

iPhone 4, iPhone 3GS, iPod touch (2nd, 3rd or 4th generation), iPad, iPad 2 with iOS 4.2 or later, and Mac or PC with iTunes 10.1 or later

### Notes

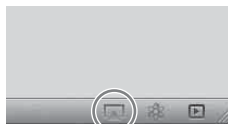
- Update iPhone, iPod touch or iPad or iTunes to the latest version before using with the unit.
- Refer to the operating manual of your device for details on operating iPhone, iPod touch or iPad, iTunes or AirPlay.
- You cannot use the PARTY STREAMING function with audio content played back using the AirPlay function.
- Set an appropriate volume level after first lowering the volume to its lowest point when you use iTunes.

- 1 Tap/click on the  icon at bottom right of the iPhone, iPod touch or iPad screen or iTunes window.

iPhone, iPod touch or iPad



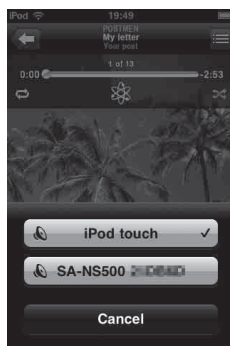
iTunes



- 2 Select “SA-NS500” on the AirPlay menu of iTunes or your iPhone, iPod touch or iPad.

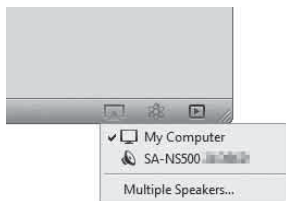
The unit will start playing back after detecting audio content.

iPhone, iPod touch or iPad





## iTunes



### Tips

- You can use the VOLUME+/-, ►, ||, ◀◀, and ▶▶ buttons on the remote control. Operation from the unit's remote control is active only when the unit is selected as the device for output.  
When you use iTunes, set it to accept control from the remote control when you want to use the remote control to operate iTunes.
- The most recent control command to the unit is given priority. The unit starts playing back audio content of another device when it accepts control from that AirPlay-equipped device, even if this unit is being used for AirPlay with the original device.

# Updating software

When a new update is available, the UPDATE indicator lights up in green while the unit is connected to the Internet.

## Notes

- Perform the following operations after confirm the message and also read and agree the “END-USER LICENSE AGREEMENT FOR SONY SOFTWARE” (page 49).
- Make sure you do not attempt any of the following operations while the update is in progress.
  - Turning the unit off
  - Connecting or disconnecting the network (LAN) cable
- You must set up a proxy server if you use the Internet environment via a proxy server (page 23).

## 1 Quit all operations before updating.

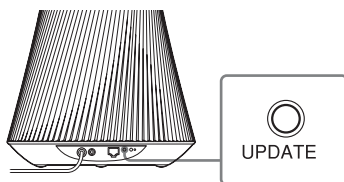
### Tip

If you do not quit those, the unit will quit or stop all operations automatically.

## 2 Press UPDATE on the unit for three seconds.

The update starts.

The UPDATE indicator flashes during the update.



## Notes

- It takes for a while to finish updating.
- You cannot operate the unit until updating has completed.
- The UPDATE indicator lights up and that button can be used only when the unit is being charged.
- It may take several minutes to update the software of the unit. The time required depends on the size

of the update content and type of Internet connection you are using.

# Setting Screen on the Browser

Start up the browser of the unit referring to the followings.

For Windows 7 users:

Double-click [Computer] on the desk top, then click [Network] on the left side of the screen. Double-click [SA-NS500]. Select the desired language after the “Language Setup” screen appears.

For Windows Vista users:

Click [Start] → [Network], and then double-click [SA-NS500]. Select the desired language after the “Language Setup” screen appears.

For Windows XP users:

Click [Start] → [My Network], and then double-click [SA-NS500]. Select the desired language after the “Language Setup” screen appears.

## System requirements for the computer

- Compliant computer:
  - IBM PC/AT or compatible computers
- Operating systems:
  - Windows 7 Ultimate
  - Windows 7 Professional
  - Windows 7 Home Premium
  - Windows 7 Home Basic
  - Windows 7 Starter
  - Windows Vista Ultimate
  - Windows Vista Business
  - Windows Vista Home Premium
  - Windows Vista Home Basic

Windows XP Professional (other than 64 bit)  
Windows XP Home Edition

- Suitable browsers  
Internet Explorer 7 or later

## Using the setting screen on the browser

You can make the various settings of this unit using the setting screen on the browser.

## Device Details screen

You can check the information on this unit.

The screenshot shows the 'Device Details' tab in the Sony Network Device Setting application. The left sidebar contains 'Device Details', 'Network Settings', and 'Bookmarks'. The main area displays the following information:

- Device Name: SA-NIS500 (with an 'Apply' button and a '(Restore Default)' link)
- Model Name: SA-NIS500
- System Software Version: 1.00
- Connection Type: Wired LAN
- Automatic Setup: Yes
- IP Address: 192.168.0.104
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.0.1
- Primary DNS: 192.168.0.1
- Secondary DNS: 0.0.0.0
- Mac Address: XX:XX:XX:XX:XX:XX

At the bottom left, there is a 'Language' dropdown menu set to 'English'.

## Network Settings screen

You can make the network settings using this screen.

The screenshot shows the 'Network Settings' tab in the Sony Network Device Setting application. The left sidebar contains 'Device Details', 'Network Settings', and 'Bookmarks'. The main area displays the following settings:

- Wireless Settings:** SSID is set to 'AFL\_HOME'. Security Method is set to 'No Security'.
- WPS:** 'Push-Button Configuration method' is selected. A 'Start' button is visible.
- IP Address Settings:** 'Automatic Setup' is checked. Fields for IP Address, Subnet Mask, Default Gateway, Primary DNS, and Secondary DNS are present.
- Proxy Server Settings:** 'Use Proxy Server' is unchecked. Fields for Address and Port are present.

At the bottom right, there is an 'Apply' button. A 'Language' dropdown menu set to 'English' is on the left.

## Bookmarks screen

You can manage the bookmark playlist using this screen.

The screenshot shows the 'Bookmarks' tab in the Sony Network Device Setting application. The left sidebar contains 'Device Details', 'Network Settings', and 'Bookmarks'. The main area displays a table of bookmarks:

No.	Server	Track Name	Artist Name	Album Name	Buttons
1	Radio	Halo Again	Kelly Sade	Halo Again	Delete
2	Radio	Sweet Magic	Kelly Sade	Sweet Magic	Delete
3	Radio	Correct Address	My Postman	Correct Address	Delete
4	Radio	Cameback	Caravans	Cameback	Delete
5	Radio	Wakemell	Nakase	Wakemell	Delete
6	Radio	Apple Blossom	Michael Michigir	Apple Blossom	Delete

At the bottom right, there is a '+ Add' button. A 'Language' dropdown menu set to 'English' is on the left.

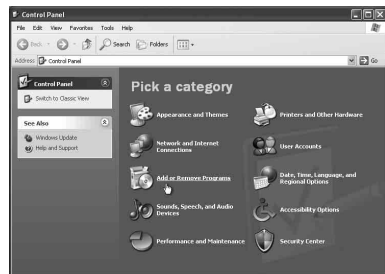
## Starting the browser with Windows XP

You have to install the UPnP service for browsing.

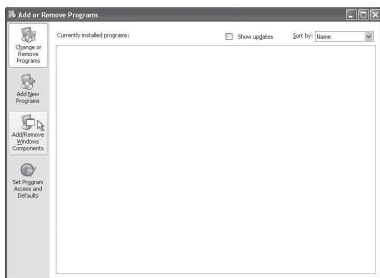
### Note

The items displayed on the computer may be different from the ones shown in this section, depending on the version of the operating system or the computer environment. For details, refer to the help of your operating system.

- 1 Click [Control Panel] → [Add or Remove Programs].



## 2 Click [Add/Remove Windows Components].

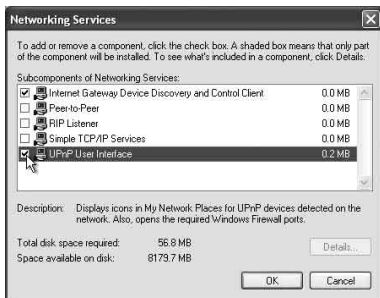


The Windows Components Wizard appears.

## 3 Click [Networking Services] → [Details...].



## 4 Put a check the checkbox beside [UPnP User Interface], then click [OK].



## 5 Click [Next].

The [Completing the Windows Components Wizard] window appears.

## 6 Click [Finish].



# Specifications

## AUDIO POWER SPECIFICATIONS

### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

Tweeter L+R

With 5 ohms loads, both channels driven, from 500 - 20 kHz;

rated 10 watts per channels minimum RMS power, with no more than 1 % total harmonic distortion from 1 watts to rated output.

### Power Output (reference):

Tweeter L+R 12 W + 12 W (5 ohms, 1 kHz, THD 10%)

Woofer 12 W (6 ohms, 100 Hz, THD 10%)

## Wireless LAN section

### Compatible standards:

IEEE 802.11 b/g

(WEP 64 bit, WEP 128 bit,

WPA/WPA2-PSK (AES),

WPA/WPA2-PSK (TKIP))

### Radio frequency:

2.4 GHz

## Inputs/Outputs

### Speakers

Tweeter Approx. 30 mm (1 3/16 in) diameter × 4

Woofer Approx. 110 mm (4 3/8 in) diameter × 1

### AUDIO IN jack:

Stereo mini jack

Voltage: 1.0 V

### Network port:

10BASE-T/100BASE-TX (Auto Polarity)

## General

### Operating temperature:

0°C - 40°C (32 °F - 104 °F)

### Power requirements:

AC adaptor

Input: 120-240V AC, 50/60Hz

Output: DC18V 2.6A

### Power consumption:

When the unit is on: DC18V 1.3A

When the unit in the standby mode:  
0.5W or below

When the unit in the network standby mode:  
4.0W or below

### Battery life:

Maximum volume level (30): Approx. 2 hours

Half volume level (15): Approx. 5 hours

### Charging time:

When the unit in the network standby/standby mode: Approx. 3 hours

When the unit is on: Approx. 5 hours

### Dimensions (w/h/d) (including projecting parts and controls):

Approx. 241 × 325 × 241 mm

(Approx. 9 1/2 × 12 7/8 × 9 1/2 in)

### Mass

Approx. 4.2 kg (9 lb 4 oz)

### Supplied accessories:

See page 14.

Design and specifications are subject to change without notice.

# Precautions

## On safety

- Before operating the system, be sure that the operating voltage of the system is identical with that of your local power supply.

Where purchased	Operating voltage
North America	120 V AC, 60 Hz

- Use only the supplied AC adaptor and AC power cord.

## On operation

- Do not open the cabinet. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the system, have the system checked by qualified personnel before operating it any further.
- This system is not magnetically shielded, do not leave recorded tapes, watches, personal credit cards, or floppy disks with magnetic coding in front of the system for an extended period of time.
- Do not put anything on top of the unit.
- Use the handle on the top of the unit when you carry it.
- If you do not intend to use the unit for a long time, at least once every six months, charge the unit by connecting the AC adaptor, to protect the battery.

## On placement

- Do not set the unit in an inclined position.
- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust, moisture, rain or mechanical shock.
- Do not place metal objects in front of the front panel. They may limit reception of radio waves.
- Do not place the system in a place where medical equipment is in use. It may cause a malfunction of medical equipment.

- If you use a pacemaker or other medical device, consult your physician or the manufacturer of your medical device before using the wireless LAN function.

## On cleaning

- Wipe the unit using a soft cloth such as the cloths used for cleaning eye glasses, etc.
- Do not use alcohol, benzine, or thinner to clean the cabinet.

## If the TV picture or monitor display is magnetically distorted

This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

## Notes on unit disposal

Remove the built-in lithium-ion battery when disposing of the unit, and return the battery to a recycling location.

The procedure for removing the battery is explained below.

### Note

Never disassemble the unit except when disposing of it.

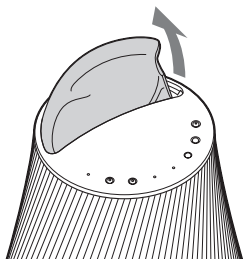
## Notes on the lithium-ion battery

- Keep the battery out of the reach of children.
- Do not hold the battery with metallic tweezers. Short-circuiting may occur if you do so.

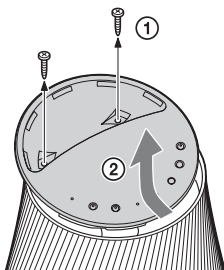
### WARNING

Battery may explode if mistreated.  
Do not recharge, disassemble, or incinerate.

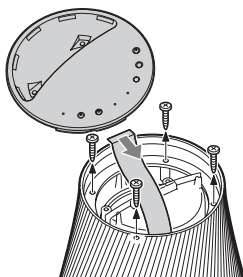
- 1** Remove the rubber cover of the illumination indicator.



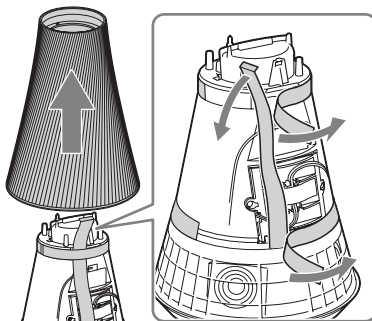
- 2** Remove the 2 screws using a screw driver, then lift up the top panel of the unit.



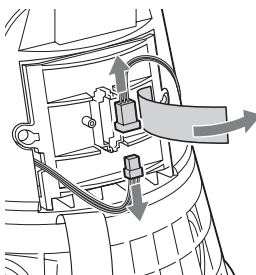
- 3** Remove the flexible cable from the top panel of the unit, then remove the 4 screws.



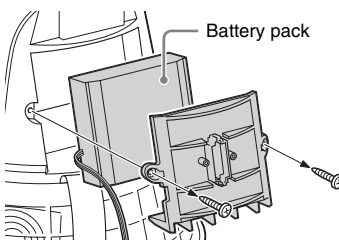
- 4** Lift up the side cover, then remove the flexible cable in the direction of an arrow.



- 5** Remove the tape, then remove the connector.



- 6** Remove the 2 screws, then remove the battery cover and the battery pack.



# Glossary

## ■ Access Point (AP)

A specially configured network device on a wireless local area network (WLAN). Access points act as a central transmitter and receiver of WLAN signals.

## ■ DHCP

Abbreviation for Dynamic Host Configuration Protocol. A system for automatically allocating configuration data required for an Internet connection.

## ■ DLNA

Abbreviation for Digital Living Network Alliance. The DLNA is a nonprofit organization that establishes design guidelines for digital content shared over networks. For details, see <http://www.dlna.org/home/>

## ■ DNS

Abbreviation for Domain Name System. A server that translates domain names to IP addresses, or IP addresses to domain names. A DNS is identified by an IP address. Also called a “DNS server.”

## ■ IP address

IP addresses usually consist of four groups of up to three digits each, separated by a period (such as 192.168.239.1). All devices on a network must have an IP address.

## ■ LAN

Abbreviation for Local Area Network. LAN is a general name for networks set up for communication among devices including computers, printers, and fax machines in relatively small areas such as offices or buildings.

## ■ Network key (security key)

An encryption key used to limit the devices with which communication can occur. It is used to provide higher security for devices communicating via a wireless LAN router/access point.

## ■ Proxy

A program or a server that provides Internet access to computers within a firewall or quicker downloading of web pages.

## ■ Router

A device that bridges networks, converting the protocols and addresses of each network. When connecting multiple network devices to the Internet, a router is necessary. The term “router” by itself may refer to any of these devices.

## ■ SSID

Abbreviation for Service Set Identifier. It is a name that identifies a particular access point within an IEEE 802.11 wireless LAN. To connect with an access point, a client device must be set with the same SSID. SSIDs can be up to 32 characters long. For higher security, a network key is normally also used. In this case, connection cannot occur unless the SSID matches the network key.

## ■ WEP

Abbreviation for Wired Equivalent Privacy. An encryption key used in wireless LAN networks. As an IEEE standard based on RC4 algorithm cryptography, WEP is used to secure IEEE 802.11b wireless networks. During the transmission of a message between a wireless LAN access point and a client device, the sending side encrypts the data and the receiving side decrypts it. For communication to occur, both devices must use a common code key, which is called the “WEP key.” The encryption level is indicated by the bit count of the key; e.g., 64 bits or 128 bits. The higher the bit count, the higher the security level.



## ■ WPA

Abbreviation for Wi-Fi Protected Access. An encryption standard for wireless LAN networks created by the Wi-Fi Alliance to remedy a number of serious security problems in the WEP system. In addition to the network name (SSID) and encryption key (WEP), this protocol uses a user authentication framework called “EAP” (Extensible Authentication Protocol) and a protocol called “TKIP” (Temporal Key Integrity Protocol) which automatically updates the encryption code at regular intervals for higher security.

## ■ WPA2

Abbreviation for Wi-Fi Protected Access 2. An encryption standard for wireless LAN networks. As an upgraded version of WPA created by the Wi-Fi Alliance, this standard uses AES (Advanced Encryption Standard) cryptography to provide stronger security than WPA.

## ■ WPS

Abbreviation for Wi-Fi Protected Setup. A wireless network standard created by the Wi-Fi Alliance to allow you to set up a wireless network easily. A push button configuration method and a PIN code method are available.

# Troubleshooting

If a problem occurs while operating the unit, follow the steps described below before consulting your nearest Sony dealer. If an error message appears, it is recommended that you make a note of its contents for reference.

**1 Check to see if the problem is listed in this “Troubleshooting” section.**

**2 Check the following customer support site.**

<http://www.esupport.sony.com/>

You will find the latest support information and a FAQ at this web site.

**3 If, after steps 1 and 2, you still cannot solve the problem, consult your nearest Sony dealer.**

If the problem persists after doing all of the above, consult your nearest Sony dealer.

When bringing the product in for repairs, be sure to bring in the entire system (main unit, remote control, AC adaptor, and AC power cord).

This product is a system product, and so the entire system is needed to determine the section requiring repair.

## Power

### The unit does not turn on.

- Make sure the AC adaptor and AC power cord are connected correctly.
- Make sure the OPERATE ON/OFF switch is set to ON.
- Set the OPERATE ON/OFF switch to OFF, and then set it to ON again.

### The unit does not work after you set the OPERATE ON/OFF switch to ON.

- It takes about 40 seconds for the unit to turn on. You cannot control the unit while the I/⏻ (on/standby) indicator is flashing. Please wait until the I/⏻ (on/standby) indicator stops flashing.

### The unit remains warm after the power is turned off.

- When the unit is in the network standby mode, some parts of the internal system remain active. Press the I/⏻ (on/standby) button after setting the STANDBY MODE switch to STANDBY. Or set the OPERATE ON/OFF switch to OFF to limit the power consumption to a minimum. However, the unit cannot be operated using a controller with this setting.

### The unit turns on and starts playback automatically.

- The unit can be controlled by a controller. If the unit receives an order to play the audio content on the server while it is in the network standby mode, it turns on and starts playback automatically. Press the I/⏻ (on/standby) button after setting the STANDBY MODE switch to STANDBY. Or set the OPERATE ON/OFF switch to OFF to limit the power consumption to a minimum.

### The unit turns off automatically.

- The unit enters the selected standby mode when it is idle for 30 minutes. If the unit is being discharged and it is idle for another 30 minutes in the network standby mode, the unit enters another standby mode that saves the battery life.

## Sound output

### There is no sound.

- Press the VOLUME + button to turn up the volume. The unit may have been set to silence the sound by a controller. If the sound is output for a moment and then is silenced again, the unit may have received a command to silence the sound. Confirm the setting of the controller and release deleting the sound.
- When the PARTY STREAMING indicator lights up in amber, confirm the audio format of the audio content that is being played by the PARTY host. The unit stops playback when the PARTY host plays audio content with an audio format that cannot be played on the unit.

### The sound skips.

- The sound may skip depending on the network environment, etc., when you use a wireless network.
- The servers are overloaded. Close all other applications you are currently using.

### There is severe humming, noise, or sound distortion from the speakers.

- Connect the unit and other devices correctly. See page 11.

## Network

### The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)

- If you use the unit in a network environment without a router, it may take about a minute for the unit to obtain its IP address after you turn on the power.
- The IP address may be in use by another device when you use a fixed IP address. Use a different IP address in this case.

### The unit cannot connect to the network via a wireless LAN connection.

- Make sure a network (LAN) cable is not connected to the unit. The unit automatically tries to connect to the network over a wired LAN connection when a network (LAN) cable is connected to the unit.
- Confirm that the access point (wireless LAN router) setting is correct. For details on the access point setting, refer to the operating instructions of the access point.

### The unit cannot connect to the WPS via a wireless LAN connection.

- You cannot connect to a network using WPS when your access point is set to WEP. Set up your network after searching the access point using the access point scan.

## Browser

### The browser screen does not appear.

- Check the proxy setting of the browser. This unit does not support proxies. Change the browser setting to one connecting this unit without a proxy.
- Check the set-up of the firewall of the security software. Refer to the web site (page 42) for details.

## Home Network

---

### **The unit cannot be found from a controller. (The controller cannot browse the unit.)**

- Check the set-up of the firewall of the security software. Refer to the web site (page 42) for details.
- Make sure the LINK indicator is lighting up in green or amber. Refer to “The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)” (page 43) if the LINK indicator goes off, flashes or lights up in red.
- Make sure the controller is connected to your home network.

---

### **Audio content has changed/started/stopped automatically.**

- The unit may be under the control of another device. If you want to reject these requests, set the OPERATE ON/OFF switch of this unit to OFF.

---

### **The sound skips.**

- The sound may skip depending on the network environment, etc., when you use a wireless network.
- The servers are overloaded. Close all unneeded applications you are currently using.

---

### **This unit cannot play back with this error indicated (illumination indicator (white) continues flashing quickly).**

- Make sure that the audio content is not corrupted or has not been deleted from the server. Refer to the operating instructions of the server.
- The servers is trying to play back an unsupported audio format on this unit. Check the format information using the server.
- Deactivate the multicast control of your wireless LAN router/access point if it is activated. Refer to the operating manual of your wireless LAN router/access point for details.

---

### **This unit cannot play back with this indicated (illumination indicator (white) continues flashing).**

- It may take several minutes before sound is output. Please wait until the indicator stops flashing.
- The server may not permit access from this unit. Change the settings of the server to permit access from this unit. Refer to the operating instructions of the server.

---

### **The II (pause) button does not work.**

- The II (pause) button may not work, depending on the server.

## AirPlay

---

### **The unit cannot be found from an iPhone, iPod touch or iPad.**

- Check your set-up of the firewall of the security software. Refer to the web site (page 42) for details.
- Make sure the LINK indicator is lit up in green or amber. Refer to “The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)” (page 43) if the LINK indicator turns off, flashes or lights up in red.
- Make sure the iPhone, iPod touch or iPad or the computer with iTunes is connected to your home network.
- Update the AirPlay software version of the unit and the iPhone, iPod touch or iPad to the latest version (page 32).

---

### **Audio content automatically changed/started/stopped.**

- The unit may be under the control of another device. If you want to reject these requests, set the OPERATE ON/OFF switch of this unit to OFF.

---

### **The sound skips.**

- The sound may skip depending on factors such as the network environment when you use a wireless network.

- The servers are overloaded. Close all unneeded applications you are currently using.

---

### **This unit cannot be operated.**

- Update the software version of the iPhone, iPod touch or iPad to the latest version (page 32).
- Update the software version of the unit to the latest version (page 34).
- Make sure another device is not streaming to the AirPlay compatible device at the same time.

---

### **Buttons such as ►, II, ■, ◀◀ and ►► do not work.**

- Make sure that the settings that allow iTunes to accept control from this unit are active.
- The unit is not selected as the remote speaker on the iPhone, iPod touch or iPad. Select the unit as the network speaker.

## **BOOKMARKS**

Refer to “Home Network” (page 44) if the problem does not apply to one of the following cases.

---

### **Playback does not start after pressing the BOOKMARKS CALL button.**

- Make sure the LINK indicator is lighting up in green or amber. Refer to “The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)” (page 43) if the LINK indicator goes off, flashes or lights up in red.
- Make sure the AUDIO IN or AirPlay indicator is not lighting up. The BOOKMARKS CALL button does not work when the audio input or AirPlay is selected.
- The IP address of the server may have been changed if playback will not start when you press the BOOKMARKS CALL button.  
In this case, register the desired audio content again.

---

### **The unit does not register the playback audio content in the bookmark list when you press the BOOKMARKS ADD button.**

- Make sure the PARTY STREAMING indicator is not lighting up in amber. The BOOKMARKS ADD button does not work when you have joined a PARTY.
- You cannot register the same audio content two or more times in a row.

## **Random play function**

Refer to “Home Network” (page 44) if the problem does not apply to one of the following cases.

---

### **This unit does not play back.**

- Make sure the LINK indicator is lighting up in green or amber. Refer to “The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)” (page 43) if the LINK indicator goes off, flashes or lights up in red.
- This unit cannot play back audio content in the following case.
  - There is no server device.
  - There is no audio content that can be played back on the server.

## **PARTY STREAMING function**

Refer to “Home Network” (page 44) if the problem does not apply to one of the following cases.

### **During a PARTY**

---

#### **This unit cannot join a PARTY.**

- Make sure the LINK indicator is lighting up in green or amber. Refer to “The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)” (page 43) if the LINK indicator goes off, flashes or lights up in red.

- Make sure of the status of other PARTY guest. The unit cannot join a PARTY if other PARTY devices have all left the PARTY. Play back via another PARTY device when you join the PARTY as a PARTY guest.  
If you want to start a PARTY as a PARTY host, press and hold the PARTY button for two seconds or more.
- Deactivate the multicast control of your wireless LAN router/access point if it is activated. Refer to the operating manual of your wireless LAN router/access point for details.

---

**The unit takes a few minutes to connect to the PARTY host.**

- Check the status of the PARTY STREAMING indicator. The PARTY has already closed if the PARTY STREAMING indicator goes off.  
This unit is the PARTY host if the PARTY STREAMING indicator lights up in green. Play back the audio content.

---

**Using this unit as a PARTY host**

---

**This unit cannot start a PARTY.**

- Make sure the LINK indicator is lighting up in green or amber. Refer to “The unit cannot connect to the network. (The unit cannot be found or recognized by other devices that are on the home network.)” (page 43) if the LINK indicator goes off, flashes or lights up in red.

---

**This unit cannot leave the PARTY.**

- You cannot leave the PARTY while using this unit as a PARTY host.

---

**Another device cannot join the PARTY that is being held on this unit.**

- The number of PARTY guest exceeds the maximum number when the PARTY STREAMING indicator flashes green and red alternately. Remove one of the PARTY guest.

## Others

---

**The I/⏻ (on/standby) indicator flashes in red.**

- The system is in protect mode.
- Disconnect and reconnect the AC cord of the unit or set the OPERATE ON/OFF switch to OFF, then set it to ON again, then turn the unit on again.  
If the I/⏻ (on/standby) indicator still flashes, consult your nearest Sony dealer.

---

**This unit does not work correctly.**

- This unit is affected by static electricity, etc. Set the OPERATE ON/OFF switch to OFF, and then set it to ON again. Reset this unit using the ALL RESET pinhole button (page 12) if the unit does not work correctly.

---

**This unit does not operate if you press the buttons of this unit or those of the remote control.**

- Buttons do not work during initializing or starting up.
- Buttons do not work while you are updating the software.
- Buttons other than the I/⏻ (on/standby) button do not work in the network standby or standby mode.

---

**The remote control does not work.**

- There are inverter fluorescent lights near the unit. Keep this unit away from inverter fluorescent lights.
- Make sure the battery is installed correctly.
- Check the remaining battery level of the remote control.
- Operate the remote control while aiming it at the remote sensor on the unit.

---

**The unit and AC adapter are getting hot.**


- This is not a malfunction.

---

**The built-in battery cannot be charged.**

- Check that the OPERATE ON/OFF switch is set to ON.
- If the AC power adapter is being used, disconnect it from the outlet, then reconnect it.
- The built-in lithium-ion battery can be charged at temperatures between 0°C - 40°C (32°F - 104°F). The battery may not be charged if the temperature inside the unit increases because of playback at very high volume levels, etc. This is not a malfunction.

## Trademarks, etc.

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<http://www.sony.net/>



# Sony® Wireless Network Speakers

## Easy to set up. Easy to use.

PC or Mac, play music anywhere  
your Wi-Fi® goes—even outside.

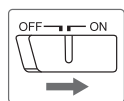


### STEP 1: Introduce your speaker to your router.

Before you begin, make sure your router and computer are on and connected.

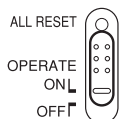
#### OPTION 1: Automatic Wired Set-up (easy 2-step method)

##### 1. Turn speaker on:



SA-NS300, SA-NS400

On back near base.



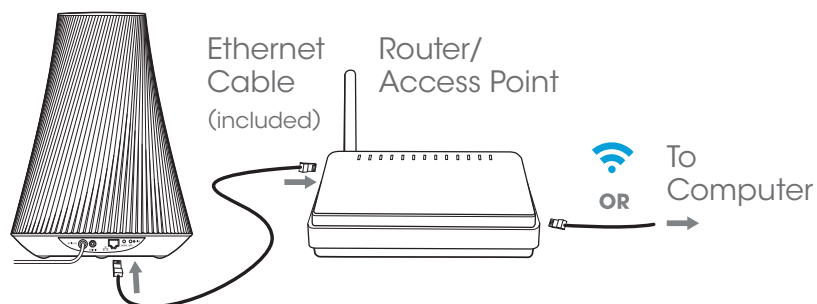
SA-NS500 (2 buttons)

On bottom.

Both buttons need to be in the up position for **sync** only.



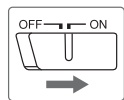
##### 2. Connect speaker and computer to router.



When "LINK" light on speaker turns orange, **unplug the cable**. System will reboot/sync to Wi-Fi® (green light).

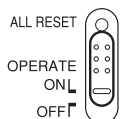
#### OPTION 2: "WPS" Push-button Set-up (Wi-Fi® Protected 3-step method)

##### 1. Turn speaker on:



SA-NS300, SA-NS400

On back near base.



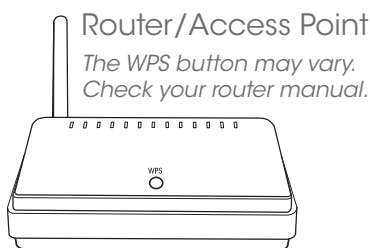
SA-NS500 (2 buttons)

On bottom.

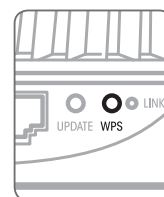
Both buttons need to be in the up position for **sync** only.



##### 2. Press "WPS" button on router:



##### 3. Press/hold "WPS" button (for 3 sec.) on back of speaker



When "LINK" light on speaker turns orange, system will reboot/sync to Wi-Fi® (green light).

**IMPORTANT NS500 ONLY:** After connection is made, switch bottom button down to **NETWORK STANDBY MODE** to play.



**Additional set-up methods** for any router, computer and most operating systems are detailed in the operating instructions manual in the box. Also enclosed is a Quick-Start Guide for PC and Mac.

## STEP 2: Introduce your speaker to your streaming system.

### OPTION 1: DLNA® (DLNA allows you to use Party Streaming™)

#### For PC

The enclosed CD and/or Quick-Start Guide walks you through steps to:

- Select home network
- Turn media streaming on
- "Allow" access to your speakers

#### For Mac

Free online software practically installs itself:

- Go to [elgato.com](http://elgato.com)
- Download/install EyeConnect® software\*
- EyeConnect enables your speaker

\*The trial version remains free for audio services.

### OPTION 2: Apple® AirPlay® (For the SA-NS500 only) No set-up required.

#### Compatibility

Play audio from these devices with iTunes®:

- iPhone® 3GS    • iPad®    • Mac
- iPhone® 4    • iPad® 2    • PC with iTunes (10.1 or later)
- iPod touch®

Or play music with a variety of mobile apps on your portable devices. Click the AirPlay® icon and select your speaker.



As seen on a Mac and iPhone music app.

**REMINDER:** The SA-NS500 must be in **NETWORK STANDBY MODE** to play.

## STEP 3: Introduce your speaker to your music.

#### For PC

- Start Windows Media Player.  
(add iTunes library to WMP if desired)
- Select **your song**.
- Select **Play to** and select **SA-NS300, SA-NS400 or SA-NS500**.
- Enjoy amazing 360° sound on your speaker.

#### For Mac

- Click the **Apple® AirPlay®** icon on your device.
- Select **SA-NS300, SA-NS400 or SA-NS500**.
- Enjoy amazing 360° sound on your speaker.

Now that you're set up, feel free to add more devices to your system so you can enjoy Party Streaming™ throughout your house.

Scan the code to view the full line of HomeShare™ products.



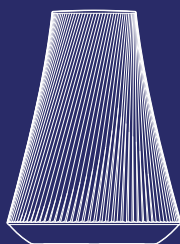
For additional help and to view tutorial videos, please visit: [esupport.sony.com](http://esupport.sony.com).  
Type SA-NS300, SA-NS400 or SA-NS500 in the search bar.

For priority support, call 1-800-222-SONY (7669).

# SONY

Network Speaker  
SA-NS500

## Preparations for listening to music via your home network



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4-295-602-11(1)



## Using this network speaker on your home network

Set up the speaker as shown below.

### 1 Turning the speaker on

### 2 Connecting the speaker (network settings)

You can use the AirPlay function after performing both steps 1 and 2. Refer to "Using the AirPlay function" in the operating instructions.

### 3 Setting up your computer as a server

This section explains how to set up the Windows Media Player as a server (device where stored audio content) to connect this speaker to your home network.

When you want to use a server other than Windows Media Player 12 of Windows 7 or Windows Media Player 11 of Windows Vista/Windows XP as your server, access the web site written on the back side of this flyer.

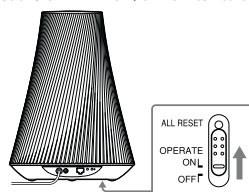
### 4 Listening to audio content stored on a server

## About WPS compliant wireless networks or wired networks

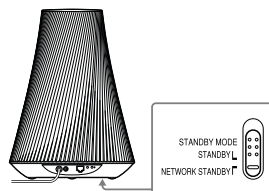
Refer to the supplied operating instructions.

## 1 Turning the speaker on

- 1 Connect the unit to an AC power source with the AC adaptor and the AC power cord.
- 2 Set the OPERATE ON/OFF switch to ON.



- 3 Set the STANDBY MODE switch to NETWORK STANDBY.



## 2 Connecting the speaker (network settings)

Your Windows PC must be connected to a wireless LAN router/access point in advance. You will be required to select or enter the following information when you make the network settings. Check the following information in advance and record them in the space provided below.

Network name (SSID)*	
Security Key (WEP, WPA/WPA2 key)*	

\* This information should be available from a label on your wireless LAN router/access point, from the operating manual, from the person who set up your wireless network, or from the information provided by your Internet service provider.

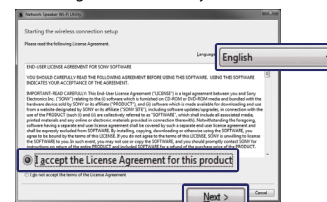
- 1 Insert the supplied CD-ROM into the CD-ROM drive of your PC.



### Note

- If the "Starting the wireless connection setup" screen does not appear automatically, double-click [Computer] (For Windows XP: [My Computer]) → [NSWFLU\_\*\*\*]. \*\*\* are displayed as numerals in the actual screen.
- If the AutoPlay screen appears, select "Run NetworkSpeakerWiFiUtility.exe" and follow the instructions that appear on the screen to proceed with the installation.

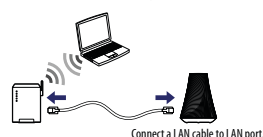
- 2 Select the desired language, select [I accept the license agreements for this product] after reading the software license agreement carefully, then click [Next].



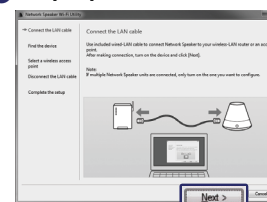
### Note

- If you have not made the Windows firewall settings, make the UPnP settings following the on-screen instructions.

- 3 Connect the speaker and the wireless LAN router/access point using the supplied LAN cable following the on-screen instructions, then turn on the speaker.

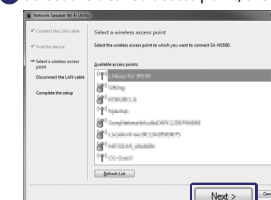


- 4 Click [Next].



The access point list appears. This may take a few minutes.

- 5 Select the desired access point, then click [Next].

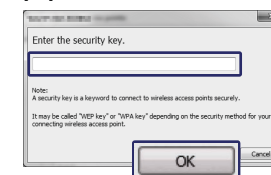


The security key (WEP, WPA/WPA2 key) input screen appears.

### Note

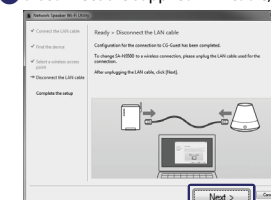
- The security key (WEP, WPA/WPA2 key) input screen does not appear when you select an unencrypted access point.

- 6 Enter the security key (WEP, WPA/WPA2 key), then click [OK].



The speaker starts to attempt a connection to the selected access point. This may take a while.

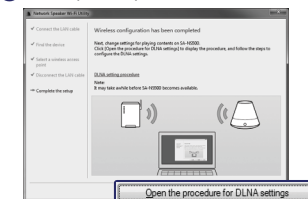
- 7 Disconnect the supplied LAN cable, then click [Next].



The LINK indicator lights up in green when the connection is made.

The network settings for the speaker have been completed. Refer to steps 8 and 9, or the back side of this flyer for instructions on how to set up the DLNA settings.

- 8 Click [Open the procedure for DLNA settings].



The web site opens.

- 9 Configure the environment required to use your DLNA-compliant devices referring to the web site, or after reading the instructions on the back side of this flyer.

For Windows 7 users,  
go to left side of rear page

For Windows Vista/XP users,  
go to right side of rear page

## for Windows 7

### 3 Setting up your computer as a server

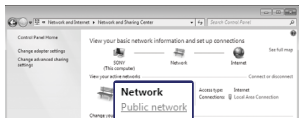
- 1 Go to [Start] - [Control Panel] and select [View network status and tasks] under [Network and Internet].  
The [Network and Sharing Center] window appears.

#### Tip

- If the desired item does not appear in the display, try to change the display type used by the Control Panel.

- 2 Check [View your active networks].

Go to step ⑤ when [Home network] or [Work network] appears. Select [Public network] and go to step ③ when [Public network] appears.



The [Set Network Location] window appears.

- 3 Select [Home network] or [Work network] according to the environment in which the speaker is used.

- 4 Follow the instructions that appear on the display according to the environment in which the speaker is being used.

When the change is completed, confirm that the item under [View your active networks] has been changed to [Home network] or [Work network] in the [Network and Sharing Center] window.

- 5 Select [Change advanced sharing settings].



- 6 Select [Choose media streaming options...] from [Media streaming].



- 7 If [Media streaming is not turned on] appears in the Media streaming options window, select [Turn on media streaming].

- 8 Select [Allow All].



The [Allow all media devices] window opens.

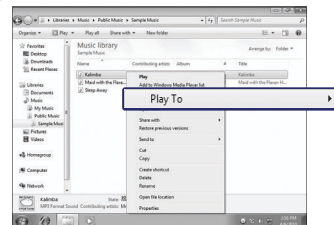
If [Allow All] cannot be selected, all the devices in the local network are [Allowed] to access your network. Go to step ⑩ in this case.

- 9 Select [Allow all computers and media devices].

- 10 Select [OK] to close the window.

### 4 Listening to audio content stored on a server

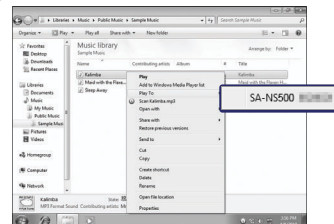
- 1 Start [Windows Media Player] of Windows 7.
- 2 Select the desired audio content, then click the right mouse button.
- 3 Select [Play To] from the menu.



The device list appears.

Close the window, then perform the process again from step 1 if the device list does not appear.

- 4 Select [SA-NS500].



The audio content is played back from this speaker.

#### When sound is not output from this speaker

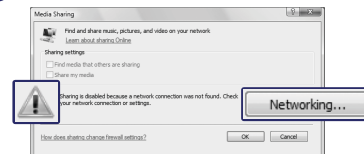
- It may take several tens of seconds for sound to be output.
- Make sure the volume level of this speaker is not set to the minimum level.
- Changes in the settings of the security software may be needed. Access the following customer support site.

<http://www.sony.net/audio/netsettings>

## for Windows XP/Vista

### 3 Setting up your computer as a server

- 1 Go to [Start] - [All Programs] and select [Windows Media Player].  
Windows Media Player 11 starts up.
- 2 Select [Media Sharing...] from the [Library] menu.  
If you are using Windows XP, go to step ⑧.
- 3 When [ ] is displayed, select [Networking...].



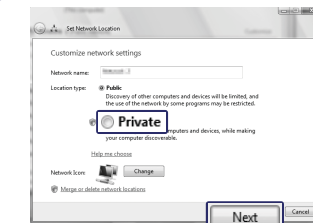
The [Network and Sharing Center] window appears.

- 4 Select [Customize].



The [Set Network Location] window appears.

- 5 Add a check next to [Private] and select [Next].



- 6 Confirm that the [Location type] has been changed to [Private] and select [Close].

- 7 Confirm that [(Private network)] is displayed in the [Network and Sharing Center] window and close the window.

- 8 If a check is not added next to [Share my media] in the [Media Sharing] window that is displayed in step ②, add a check next to [Share my media], then select [OK].



A list of connectable devices is displayed.

- 9 Select [Settings...] that appears beside [Share my media to].

- 10 Add a check next to [Allow new devices and computers automatically] and select [OK].



#### Note

- Uncheck this item after you confirm that the speaker can connect to the PC and play audio data on the PC.

### 4 Playing back audio content on a server at random

- 1 Press [ ] on the remote.

Audio content is played back only at random on the server which is recognized first.

#### When sound is not output from this speaker

- Make sure that you select home network as the input. If the AirPlay indicator or the AUDIO IN indicator lights up, press the INPUT button repeatedly until both indicators go off.
- Make sure the volume level of this speaker is not set to the minimum level.
- Changes in the settings of the security software may be needed. Access the following customer support site.

<http://www.sony.net/audio/netsettings>

#### Tip

- This function allows you to play back audio content at random on the server which is recognized first. Turn off the server other than Windows Vista/Windows XP in advance.
- If you are using an iPhone or iPod touch, you can use those devices as a DLNA controller (music controller) with the "Network Audio Remote" application. You can download "Network Audio Remote" from the App Store.





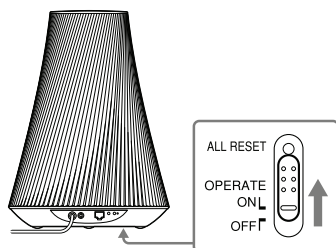
# Listening to audio content on your Mac, iPhone, iPod touch or iPad

You can play audio from an iPhone, iPod touch or iPad, and also from a Mac.

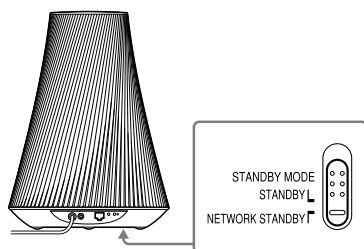


## 1 Turning the speaker on

- 1 Connect the unit to an AC power source with the AC adaptor and the AC power cord.
- 2 Set the OPERATE ON/OFF switch to ON.



- 3 Set the STANDBY MODE switch to NETWORK STANDBY.



## 2 Connecting the speaker (network settings)

### WPS\* push button configuration method

- 1 Press the WPS button on the access point.
- 2 Press the WPS button on the speaker for three seconds.

Make sure that your Mac/iPhone, iPod touch or iPad are within the same network as the SA-NS500.

\* WPS is a standard for easy and secure establishment of a wireless home network. Many new wireless LAN routers/access points come with this feature.

### Manual wireless set up

#### For Mac

- 1 Connect the unit and the access point using a network (LAN) cable.
- 2 Start Safari and Select "Bonjour" under "Bookmark menu".
- 3 Select "SA-NS500."
- 4 Start wireless setting from Browser.

#### Tips

- For details on the wireless settings, refer to "Option 1: Manual wireless setup" in the operating instructions.
- For details on the connection process and terms, refer to "Option 1: Manual wireless setup" in the operating instructions.
- For details on Safari, refer to the Safari help.

#### For iPhone, iPod touch or iPad

Check the following customer support site

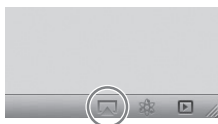
<http://esupport.sony.com/> for customers in the United States  
<http://esupport.sony.com/CA/> for customers in Canada

Search for further information using the word "SA-NS500." You will find "How to stream music to SA-NS500 from iPhone, iPod touch or iPad" at the above.

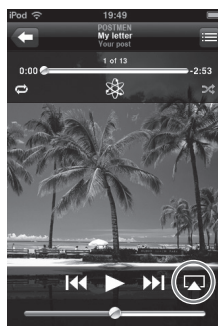
## 3 Using AirPlay

- 1 Tap/click on the icon at bottom right of the iTunes window or on the window of the iPhone, iPod touch or iPad.

iTunes



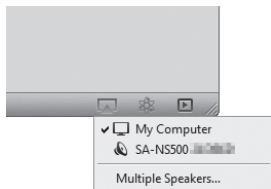
iPhone, iPod touch or iPad



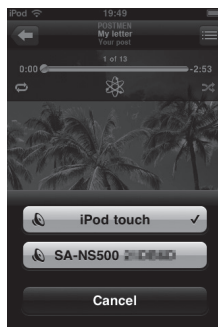
- 2 Select "SA-NS500" on the AirPlay menu of iTunes or the iPhone, iPod touch or iPad.

The unit will start playing back after detecting audio content.

iTunes



iPhone, iPod touch or iPad



### Tips

- You can use the VOLUME+/-, ►, ||, ◀◀, and ▶▶ buttons on the remote control. Operation from the unit's remote control is active only when the unit is selected as the device for output. When you use iTunes, set it to accept control from the remote control when you want to use the remote control to operate iTunes.
- The most recent control command to the unit is given priority. The unit starts playing back audio content of another device when it accepts control from that AirPlay-equipped device, even if this unit is being used for AirPlay with the original device.



AirPlay, the AirPlay logo, iPhone, iPod Touch, iTunes, and Safari are trademarks of Apple Inc., registered in the U.S. and other countries. iPad is a trademark of Apple Inc.

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**Network Speaker**  
**Wi-Fi Utility**  
Ver.1.1

**SONY®**

**Windows® 7**

**Ultimate SP1 (32bit/64bit) / Professional SP1 (32bit/64bit) / Home Premium SP1 (32bit/64bit) / Home Basic SP1 (32bit/64bit) / Starter SP1**

**Windows Vista®**

**Ultimate SP2 (32bit/64bit) / Business SP2 (32bit/64bit) / Home Premium SP2 (32bit/64bit) / Home Basic SP2 (32bit/64bit)**

**Windows® XP**

**Professional SP3 (32bit) / Home SP3 / Media Center Edition SP3 / Media Center Edition 2004 SP3 / Media Center Edition 2005 SP3**

**COMPACT**  
**disc**

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Thank you for purchasing this Sony product. Proper registration will enable us to send you periodic mailings about new products and other important announcements. Registering your product will also allow us to contact you in the unlikely event that it will need adjustment or modification. Please take the time to register your new product at our website:

**<http://www.sony.com/productregistration>**

You will find the product serial number on the main unit and the carton box.

If you have any operational questions regarding your new purchase, please contact your retailer. For the location of a Sony dealer in your area, or for any other questions, please call 1-800-222-SONY(7669).

Thank you.





## Garantie d'un an protégeant les consommateurs

Sony du Canada Ltée (Sony), sous réserve des modalités et conditions indiquées aux présentes, garantit le présent produit contre tout défaut de fabrication ou toute défaillance des matériaux entrant dans sa fabrication pour la période de garantie spécifiée. Si un défaut de fabrication ou une défaillance des matériaux survient pendant la période de garantie spécifiée, Sony veillera à réparer le produit en y effectuant tous les remplacements de pièces nécessaires par des pièces neuves ou remises à neuf et ce, sans frais quant aux pièces ou à la main-d'œuvre.

### La période de garantie est la suivante :

Main-d'œuvre et pièces : UN an à compter de la date d'achat originelle au détail.

### Conditions :

#### Modifications, réparations, abus non autorisés, etc. :

La présente garantie limitée est nulle si : (i) l'unité a été altérée, modifiée ou installée aux fins d'usage commercial, ou réparée ou entretenue par une personne autre qu'un centre de réparation autorisé par Sony afin d'effectuer de tels services. (ii) le numéro de série de l'unité a été altéré ou retiré, ou (iii) l'unité a subi un accident, un mauvais usage, un abus ou a été utilisée pour un usage contraire aux directives du mode d'emploi. L'opinion de Sony à cet effet est sans appel.

#### Usage commercial ou location :

Ce produit n'est pas conçu pour usage commercial ou location. Advenant que cette unité soit utilisée à des fins commerciales ou comme unité en location, la période de garantie limitée pour les pièces et la main-d'œuvre est réduite à 90 jours après la date d'achat originelle. L'opinion de Sony à cet effet est sans appel.

#### Exclusions :

La présente garantie limitée exclut les armoires, accessoires ou piles brisés ou endommagés; les antennes et stylets exposés, ou la défaillance de pièces découlant de leur usure normale. La présente garantie limitée exclut l'entretien régulier des produits, tels que le nettoyage, la lubrification ou les vérifications.

La présente garantie limitée ne couvre que l'équipement fourni avec le produit. Elle ne couvre aucune assistance technique quant à l'usage d'équipement ou de logiciel et ne couvre aucun logiciel, fourni ou non avec le produit. De tels logiciels sont fournis « TELS QUELS », sauf aux termes d'une garantie limitée de logiciel comprise dans l'emballage. Veuillez consulter les ententes d'usager comprises avec le produit pour connaître vos droits et obligations relativement aux logiciels.

### La présente garantie n'est valide qu'au Canada.

#### Livraison :

L'unité doit être livrée en personne à l'un des centres de réparation Sony du Canada, ou expédiée, dans son emballage d'origine ou un emballage équivalent accordant un niveau de protection équivalent, ainsi que des directives indiquant l'emplacement au Canada où l'unité peut être retournée. Si l'unité est expédiée à un centre de réparation, l'unité réparée sera retournée au client port payé. Tous les accessoires compris avec l'unité doivent être énumérés individuellement sur le bordereau d'expédition aux fins de documentation d'expédition. Les accessoires défectueux doivent être expédiés à Sony à titre d'article distinct à réparer. Sony n'est pas responsable des pertes ou dommages des articles en transit expédiés aux centres de réparation. Toute pièce remplacée aux termes de la présente garantie limitée devient la propriété de Sony. **Vous êtes responsable de faire une copie de sauvegarde de toutes données, logiciels ou autres que vous auriez pu stocker ou conserver sur votre unité. Il est fort probable que des données, logiciels ou autres seront perdus ou reformatés pendant la réparation, et Sony n'est pas responsable de tels dommages ou pertes.**

#### Preuve d'achat :

La présente garantie limitée s'applique au produit à compter de la date d'achat originelle au détail. Par conséquent, le propriétaire doit présenter une preuve d'achat originelle au détail.

#### Produit visés par la présente garantie :

La présente garantie limitée s'applique aux produits Sony suivants, et peut aussi s'appliquer à d'autres produits s'ils font partie de l'emballage d'origine du produit :

Accessoires audio / vidéo  
Produits audio / vidéo pour l'automobile  
Caméras vidéo et accessoires connexes  
Caméras photos numériques de type Cyber-shot® et accessoires connexes  
Radios-réveil munis d'un lecteur CD  
Lecteurs numériques de médias/Lecteurs numériques de musique  
Imprimantes / scanners de photos numérisées  
Enregistreurs numériques de la parole  
Enregistreurs numériques à circuits intégrés  
Systèmes audio pour la maison  
Systèmes de cinéma-maison  
Lecteurs et enregistreurs vidéo pour la maison  
Produits de navigation mobile  
Magnétophones à microcassettes  
Baladeurs Net MD/H-MMD  
Baladeurs réseau  
Lecteurs CD portables / munis d'un récepteur radio  
Lecteurs DVD portables  
Radios portables de type « casque d'écoute stéréo »  
Enregistreurs/lecteurs portables à MiniDisques  
Radios portables et lecteurs CD / avec lecteur cassettes  
Radios portables  
Récepteurs-enregistreurs radiophoniques combinés  
Magnétoscopes à cassettes et accessoires connexes  
Baladeurs vidéo

SAUF DANS LA MESURE OÙ LA LOI APPLICABLE L'INTERDIT, TOUTES LES AUTRES GARANTIES ET CONDITIONS, EXPRESSES OU IMPLICITES, RELÉVANT OU NON D'UNE LOI, D'UN ACTE LÉGISLATIF, D'HABITUDES COMMERCIALES ÉTABLIES OU D'USAGES DU COMMERCE, Y COMPRIS, NOTAMMENT, TOUTE GARANTIE IMPLICITE DE QUALITÉ MARCHANDE OU DE L'ADAPTABILITÉ À UNE FIN PARTICULIÈRE, SONT DÉSAVOUÉES. SONY NE SAURAIT EN AUCUN CAS ÊTRE RESPONSABLE D'UN MONTANT SUPÉRIEUR AU PRIX RÉEL D'ACHAT DU PRODUIT; ET SONY NE SAURAIT EN AUCUN CAS ÊTRE RESPONSABLE DE DOMMAGES SPÉCIAUX, ACCESSOIRES OU CONSÉCUTIFS SUBIS RELATIVEMENT AU PRODUIT. SONY N'ASSUME NI N'AUTORISE AUCUN REPRÉSENTANT OU QUICONQUE À ASSUMER EN SON NOM UNE OBLIGATION OU RESPONSABILITÉ AUTRE QUE CELLES QUI SONT EXPRESSÉMENT DÉCRITES AUX PRÉSENTES. L'EXCLUSION DE GARANTIES ET CONDITIONS IMPLICITES N'EST PAS AUTORISÉE DANS CERTAINS TERRITOIRES.

#### Enregistrement du produit :

Merci d'avoir choisi un produit Sony. Chez Sony, nous nous efforçons de créer des produits de la plus haute qualité afin de renforcer votre expérience et votre satisfaction. Afin d'assurer le meilleur soutien qui soit à votre produit, nous vous demandons de remplir une fiche d'enregistrement de produit sur le site [www.fr.SonyStyle.ca/enregistrement](http://www.fr.SonyStyle.ca/enregistrement) dans les quatre-vingt-dix (90) jours suivant la date d'achat.

Pour obtenir de l'aide concernant le service ou obtenir des renseignements sur le produit ou concernant l'enregistrement du produit, veuillez appeler le 1-877-899-7669. Pour obtenir des renseignements concernant la garantie prolongée Sony Care, veuillez appeler le 1-800-773-9667.

Pour le support technique et les mises à jour en ligne en tout temps, vous pouvez visiter le

[www.fr.sony.ca/sonyca/view/french/support\\_electronics.shtml](http://www.fr.sony.ca/sonyca/view/french/support_electronics.shtml),

ou appeler le Centre d'information à la clientèle Sony au 1-877-899-7669.



## Consumer 1 Year Warranty

Sony of Canada Ltd. ("Sony") hereby warrants, subject to the terms and conditions herein set forth, this product against defects in material and workmanship during the specified warranty period. In the event of a defect of material or workmanship during the specified warranty period, Sony will repair the same, effecting all necessary parts replacements with either new or refurbished parts, without charge for either parts or labour.

### The warranty period is as follows:

Labour and Parts: ONE year from the date of original purchase at retail.

### Conditions:

#### Unauthorized Modification, Repair, Abuse, Etc.:

This limited warranty is void if: (i) the unit has been previously altered, modified, installed or mounted for commercial use, or repaired or serviced by anyone other than the service facilities authorized by Sony to render such services, (ii) the serial number on the unit has been altered or removed, or (iii) the unit has been subject to accident, misuse, abuse or operated contrary to the instructions contained in the Owner's Manual. The opinion of Sony with respect to this matter shall be final.

#### Commercial Use or Rental:

This product is not intended for commercial use or rental. Should this unit be used at any time for commercial purposes or as a rental unit, the limited warranty period for parts and labour shall be 90 days from the date of original purchase at retail. The opinion of Sony with respect to this matter shall be final.

#### Exclusions:

This limited warranty does not extend to broken or damaged cabinets, accessories, batteries, exposed antennas and styluses, or to parts wearing out due to normal wear and tear. This limited warranty does not cover regular product maintenance such as cleaning, lubrication or check-ups.

This limited warranty covers only the hardware components packaged with the product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the product. Any such software is provided "AS IS" unless expressly provided for in any enclosed software limited warranty. Please refer to the End User License Agreements included with the product for your rights and obligations with respect to the software.

### This limited warranty is valid only in Canada.

#### Delivery:

The unit must be delivered in person to one of the nearest Sony service facilities in Canada, or shipped, freight prepaid, in either its original package or similar package affording an equal degree of protection and with instructions indicating a location within Canada to which the unit may be returned. If shipped to the service facility, the repaired unit will be returned to customer freight prepaid. All accessories that are enclosed with the unit must be listed individually on the packing slip for the shipping documentation. Defective accessories should be shipped to Sony as a separate repair item. Sony shall have no liability whatsoever for loss or damage in transit of items shipped to service facilities. Any parts replaced under this limited warranty will become the property of Sony. **It is your responsibility to back up any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.**

#### Proof of Purchase:

This limited warranty applies to the product from the original date of purchase at retail. The owner must furnish proof of original purchase at retail.

### Subject Products:

This limited warranty is applicable to the following Sony Products, and may also be applicable to other Sony products if enclosed in the product's original packaging:

Audio/Video Accessories  
Car Audio/Video Products  
Camcorders and related accessories  
Cyber-shot® Digital still Camera and related accessories  
Clock Radio/with CD Players  
Digital Media Players/ Digital Music Players  
Digital Photo Printers/Scanners  
Digital Voice Recorder  
IC Chip Recorders  
Home Audio Systems  
Home Theatre System  
Home Video Player and Recorders  
Mobile Navigation Products  
Microcassette recorder  
Net MD/H-MMD Walkman  
Network Walkman  
Portable CD Players/ with Radio  
Portable DVD Players  
Portable Headset Stereo Radios  
Portable MiniDisc Recorder/Players  
Portable Radio CD Players /with Cassette  
Portable Radio  
Radio Cassette Combinations  
Video Cassette Recorders and related accessories  
Video Walkman

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, WHETHER ARISING BY LAW, BY STATUTE, BY COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, MERCHANTABLE QUALITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. UNDER NO CIRCUMSTANCES SHALL SONY BE LIABLE FOR AN AMOUNT GREATER THAN THE ACTUAL PURCHASE PRICE OF THE UNIT OR FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES SUSTAINED IN CONNECTION WITH SAID UNIT AND SONY NEITHER ASSUMES NOR AUTHORIZES ANY REPRESENTATIVE OR OTHER PERSON TO ASSUME FOR IT ANY OBLIGATION OR LIABILITY OTHER THAN SUCH AS IS EXPRESSLY SET FORTH HEREIN. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES AND CONDITIONS.

### Product Registration:

Thank you for choosing a Sony product. At Sony, we strive to create products of the highest quality to enhance your experience and enjoyment. To provide the best support for your product, we request that you complete a product registration form at [www.SonyStyle.ca/registration](http://www.SonyStyle.ca/registration) within 90 days of purchase.

For service assistance, product information, or product registration please call: 1-877-899-7669. For information about a Sony Care Extended Warranty, please call 1-800-773-9667.

### For online product support and updates at any time, please visit:

[www.sony.ca/sonyca/view/english/support\\_electronics.shtml](http://www.sony.ca/sonyca/view/english/support_electronics.shtml),

or call the Sony Customer Information Centre at 1-877-899-7669.

**SONY®**General Stereo/Hifi Components/Tape Decks  
CD Players/Mini Disc Players/Audio Systems

Hifi Audio

# LIMITED WARRANTY (U.S. Only)

Sony Electronics Inc. ("Sony") warrants this product against defects in material or workmanship for the time periods and as set forth below when purchased directly from Sony or a Sony Retailer. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. **In the event of a defect, these are your exclusive remedies.**

**Labor:** For a period of one (1) year from the original date of purchase of the product ("Labor Warranty"), Sony will, at its option, repair or replace with new or refurbished product, product determined to be defective. If Sony elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is still in effect, it will do so for the applicable labor charge.

**Parts:** For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), Sony will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

**Instructions:** To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Sony authorized service facility specified. **It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.** A dated purchase receipt from Sony or a Sony Retailer is required. For specific instructions on how to obtain warranty service for your product,

Visit Sony's Web Site:  
[www.sony.com/service](http://www.sony.com/service)

Or call the **Sony Customer Information Service Center**  
**1-800-222-SONY (7669)**

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7669)

**Repair / Replacement Warranty:** This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Sony product or product purchased from other than Sony or a Sony Retailer. To determine if a retailer is part of the Sony Retailer Network, please contact Sony's Customer Service Call Center or go to [www.sony.com/support](http://www.sony.com/support). This Limited Warranty does not cover Sony products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

**LIMITATION ON DAMAGES:** SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

**DURATION OF IMPLIED WARRANTIES:** EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.